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CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

MAY 7 - 1949

CLIMATOLOGICAL DATA

NORTH DAKOTA

JANUARY 1949

Volume LVIII No. 1



CHICAGO: 1949

NORTH DAKOTA - JANUARY 1949

F. J. Bavendick, Section Director - Bismarck

GENERAL SUMMARY

This was a cold month with temperatures averaging below normal at nearly all points over the state. It was the coldest January since 1943. The eastern division averaged nearly 2 degrees below normal; the middle division averaged nearly 4 degrees below normal; and the western division averaged over 7 degrees below normal. Mild weather occurred on the 6th-7th over the entire state, with considerable thawing in the west and some thawing over the eastern portion. No other really mild periods occurred during the month.

Precipitation averaged above normal. It was .58 inch above normal in the eastern division, .85 inch above normal in the middle division, and .55 inch above normal in the western division. A few points in the extreme northwest portion reported precipitation somewhat below normal, otherwise every station reported above normal amounts. The snowfall was three times the January normal and was the greatest January average since the beginning of records. Some northern and western stations reported more than 30 inches.

The weather in general was very unfavorable. Wind averaged considerably above normal in all sections. There were, however, no unusually severe blizzards during the month. The highest wind velocity reported was 50 miles per hour at Bismarck on the 4th. Moderately strong winds during the month caused frequent blizzard conditions and made travel over the state very difficult most of the time. Country roads and many state highways were blocked most of the month. In many sections of the state, livestock feeding became more and more difficult because of the deep snow which made the use of sleighs often very hard. No real suffering occurred, although by the end of the month, people in many areas were finding it quite difficult to replenish depleted food stocks and to haul feed to livestock. Buses and branch line trains were often held up for a week at a time due to continual drifting. Livestock remained in mostly good condition.

TEMPERATURE

The mean temperature for the state was 1.7°, which is 5.3° below normal for the month. The monthly mean temperatures ranged from 8.5° at McClusky to -6.0° at Mohall. The highest temperature recorded in the state was 58° at Elbowoods, on the 7th, and the lowest -49° at Bottineau on the 20th.

PRECIPITATION

The average precipitation for the state was 1.14 inches, which is 0.66 inch above normal for January. The total amounts recorded at various stations ranged from 3.68 inches at Grano to 0.03 inch at Grenora. The heaviest rainfall reported in any one day was 1.25 inches at Rugby on the 5th. The monthly average of snowfall was 18.3 inches or 10.1 inches more than normal. The greatest monthly amount was 37.5 inches at Riverdale; the least 1.2 inches at Grenora. The greatest depth on the ground was 49 inches at Rugby on the 15th.

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin Series, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25,D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

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1949-50

NATURAL
HISTORY

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

NORTH DAKOTA
JANUARY 1949

Station	Sea level pressure extremes—inches				Wind speed—m. p. h.				Relative humidity averages—percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 a. E.S.T.	Percent of possible	
BISMARCK AIRPORT	31.11	10	29.36	15	13.7	50	N	4					52	1934
DEVILS LAKE	31.13	10	29.40	15	10.6	34	NE	8					49	1999
FARGO	31.12	10	29.39	15	15.4	42	N	8					39	1907
WILLISTON	31.05	10	29.48	14	7.7	27	NW	15					51	1982

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	3.3	58	-52	0.32	2.8	4
1893	0.8	52	-48	0.99	8.4	7
1894	0.6	60	-47	0.39	3.6	4
1895	-2.9	42	-46	0.56	5.5	5
1896	5.3	58	-42	0.77	6.6	6
1897	3.6	49	-38	0.77	7.5	5
1898	14.6	69	-32	0.11	1.1	2
1899	5.2	55	-41	0.25	2.4	3
1900	15.4	70	-30	0.22	2.0	3
1901	7.7	68	-39	0.28	3.0	4
1902	12.7	51	-40	0.14	1.4	2
1903	9.4	56	-37	0.66	6.7	5
1904	3.6	50	-52	0.40	4.0	5
1905	0.9	48	-40	0.32	2.9	3
1906	12.2	60	-38	0.69	6.9	4
1907	-6.2	45	-45	1.32	14.5	8
1908	17.0	70	-41	0.24	1.9	2
1909	3.5	53	-48	0.43	4.3	4
1910	9.4	49	-35	0.37	4.1	3
1911	-1.0	56	-43	0.84	8.5	6
1912	-4.6	63	-52	0.35	3.6	4
1913	3.2	60	-54	0.45	4.6	5
1914	14.8	62	-38	0.48	4.9	4
1915	5.8	51	-48	0.29	3.4	3
1916	-6.4	49	-56	1.36	15.1	6
1917	1.7	47	-46	0.72	8.6	5
1918	0.5	48	-44	0.47	5.0	5
1919	18.7	66	-44	0.18	1.7	2
1920	2.7	49	-44	0.97	10.0	5
1921	15.9	52	-31	0.24	2.5	2
1922	7.0	55	-46	0.49	5.2	5
1923	10.1	56	-35	0.52	6.0	5
1924	2.6	61	-42	0.23	2.5	3
1925	8.6	52	-35	0.24	2.5	3
1926	16.3	55	-30	0.38	4.1	4
1927	10.1	60	-44	0.42	4.3	4
1928	13.0	50	-41	0.20	2.3	3
1929	-4.8	42	-42	0.62	9.2	6
1930	-1.9	41	-43	0.29	2.7	4
1931	21.4	68	-31	0.15	1.4	2
1932	9.5	50	-34	0.56	6.3	4
1933	11.8	53	-30	0.80	10.0	7
1934	15.8	54	-36	0.20	2.0	3
1935	3.3	60	-44	0.41	4.9	6
1936	-5.8	43	-44	0.56	6.9	7
1937	-8.3	38	-44	0.67	9.0	6
1938	9.5	50	-40	0.48	6.1	6
1939	15.0	55	-32	0.47	6.0	6
1940	3.4	48	-39	0.10	1.4	3
1941	11.0	53	-33	0.54	6.3	5
1942	18.3	60	-35	0.09	1.0	2
1943	-1.4	45	-44	0.73	9.4	7
1944	21.8	61	-26	0.37	4.8	3
1945	12.7	51	-31	0.41	5.6	5
1946	11.2	56	-33	0.20	2.9	4
1947	16.0	57	-37	0.35	4.4	4
1948	9.3	59	-42	0.40	5.0	6
1949	1.7	58	-49	1.14	15.3	8
PERIOD	7.0	70	-56	0.48	5.2	4

JAN 9 1952 HARDY

Table 2

CLIMATOLOGICAL DATA

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
ARVILLA STATE PARK	1.9		40	7	-35	26		31	.74		.19	5				12		
CARRINGTON	0.3	-6.4	47	7	-30	21		31	1.75	1.33	.88	5	30.2	19	24+	5	2	
CAVALIER POWER PLANT	0.9	-0.5	43	6	-37	20		31	.93	.26	.27	5	9.3	18	5+	9	1	
COOPERSTOWN	1.4	-2.9	38	6	-29	21		31	.53	.02	.22	18				3		
DEVILS LAKE WB CITY	0.5	-1.3	39	7	-31	21		31	.98	.51	.28	4+	12.9	20	24+	12	1	
EDGELEY EXP FARM	6.6	-2.2	44	7+	-26	21		30	.52	.03	.26	4	6.6			7	1	
EDMORE 1 W	-0.7	-0.9	35	7	-36	20		31	1.22	.73	.28	23	17.0			7	3	
ELLENDALE NORMAL SCH	6.1	-3.9	45	7	-24	26		30	1.48	1.02	.94	4	15.7	11	5	7	1	
FARGO WB AIRPORT	3.6	-0.2	40	7	-25	21		31	1.24	.57	.68	4	12.3	11	24+	12	1	
FORMAN	7.2	-0.4	45	7	-27	21		31	.97	.52	.56	4				7	1	
FULLERTON	7.4	-1.7	44	7	-27	21		30	1.57	.87	.54	4	15.7	9	5	9	3	
GACKLE	2.8M	-4.9	44	7	-27	21		31	.43	-0.01	.22	23	6.4	8	8+	9		
GRAFTON STATE SCHOOL	1.9	-0.7	40	6	-33	20		31	2.28	1.78	.59	5				8	5	
GRAND FORKS CAA	1.2	-2.4	38	6	-28	21		31	1.08	.55	.21	23	17.9	21	24+	14		
GRAND FORKS UNIVERSITY	1.4	-2.2	37	6	-29	21		31	1.53	1.00	.43	4	16.9	18	24+	12	3	
HANKINSON RR STATION	4.9M	-3.0			-25	22			1.34	.87	.64	4	19.3			7	2	
HANNAH	-1.8	-0.6	37	6	-41	20		31	1.23	.53	.38	24+	16.8			6	2	
HILLSBORO	3.8	-1.1	41	7	-25	26		31	1.08	.57	.43	5				11	1	
JAMESTOWN CAA	4.1	-3.0	44	7	-26	21		31	1.10	.55	.45	5	11.5	6	5+	13	1	
JAMESTOWN STATE HOSP	5.5	-1.6	44	7	-25	21		31	.94	.39	.60	5	11.2			6	1	
KENSAL WILDLIFE REFUGE	2.4		38	6	-31	21		31	.60		.20	4	8.6	9	23+	7		
LA MOURE	5.6		49	7	-29	21		31	.93		.30	20	15.2			9	1	
LANGDON EXP FARM	-1.7	-1.3	39	6	-39	20		31	2.08	1.47	.48	5	21.8			8	3	
LARIMORE	2.5	-1.3	38	6+	-27	21		31	1.13	.53	.53	23	13.7			4	2	
LISBON	5.7	-1.9	41	6+	-27	26		31	.67	.08	.29	4				5	2	
MAYVILLE	3.8	-2.2	42	7	-26	21		31	1.72	1.33	.38	5	23.9	19	5+	13	3	
MC HENRY 6 N	0.6	-0.9	38	7	-30	21		31	1.34	.92	.40	5	13.5	20	24+	8	1	
MC LEOD 3 E	5.0	-3.3	40	6+	-26	19+		31	1.15	.59	.64	4				6	1	
MUNICH 4 SW	-0.9		32	6	-34	20+		31	1.07		.30	5	13.1	33	23	6	1	
OAKES WATER WORKS	5.0	-3.9	48	8	-29	26		31	.47	0.00	.14	5	6.2			5		
PARK RIVER	3.4M	0.5	40	6	-31	20		31	.60	.11	.22	5	8.1	26	8+	7		
PEMBINA CAA	0.3	-2.1	41	6	-36	20		31	.64	.01	.15	4	5.3	13	25+	14		
SHARON	1.7	-1.8	38	6+	-27	19		31	1.18	.71	.23	23	12.4	20	31	9		
VALLEY CITY	6.9	0.8	43	7	-23	19+		30	.74	.20	.25	4	9.1	13	25	8	1	
WAHPETON STATE SCHOOL	7.0	-1.7	42	7	-24	21+		31	1.27	.82	1.02	4	13.8	12	23+	7	1	1
DIVISION	3.1	-1.7							1.10	0.58								
MIDDLE DIVISION																		
ASHLEY	1.7M	-7.0							.70	.26	.25	4+	10.7			10	2	
BELCOURT INDIAN RES	-0.6		46	6	-44	20		31	.91		.32	15	11.7			7	1	
BISBEE	-1.3	3.1	34	6	-39	20		31	1.60	1.15	.54	15				10	1	
BISMARCK W8 CITY	3.2	-4.8	49	8	-33	22		31	.74	.36	.30	4	11.8	9	23+	11	1	
BISMARCK WB AIRPORT	2.5	-3.8	46	7	-33	21		31	.74	.29	.30	4	11.8	9	23+	11	1	
BOTTINEAU	-0.9	-1.9	35	6	-37	20+		31	.68	.27	.39	5	9.8	22	8+	6	1	
BOTTINEAU STATE PARK			30	7	-49	20		30										
CARSON 2 SW	1.6	-8.5	47	7	-30	21		31	1.75	1.39	.88	5	22.2	19	24+	5	2	
CENTER	1.6	-8.2	45	7	-39	21		31	1.66	1.29	.38	8	21.0	18	24+	10	3	
DRAKE	-0.4	-5.9	39	7	-34	21		31	1.53	1.14	.45	5	23.6			10	2	
DUNSEITH ST SANITARIUM	0.1	-2.7	42	6	-38	20		31	.20	-0.23	.20	5	2.5	6	5	1		
ECKMAN	-3.6	-6.7	39	7	-43	20+		31	2.42	2.06	.85	5	26.7	46	24+	8	5	
FESSENDEN	1.9	-2.8	40	7	-31	21		31	2.39	1.90	.51	4	32.0			7	6	
FORT YATES	5.4	-4.2	48	7	-34	21		30	1.00	.61	.52	5	15.0					
FOXHOLM WILDLIFE REF	0.9	-5.9	42	7	-38	21		31	.94	.50	.54	5	19.0	27	5	5	1	
GARRISON	0.2	-7.7	40	7	-34	21		31	1.91	1.54	.65	8	20.4	28	24+	8	3	
GRANVILLE	0.7	-5.8	38	6	-38	20+		30	1.30	.92	.47	5	17.4	33	24+	9	1	
HANSBORO	-0.9M	-1.5	42	6	-40	20		31	1.16	.55	.49	15	15.9			6		
LEEDS	0.1		37	6	-35	20		31	1.22		.62	8	15.9			10	1	
LINTON	3.6M	-5.7	52	7	-34	21		31	1.13	.79	.83	4	12.7	12	4+	8	1	
MADDOCK AGR SCHOOL	0.4	-4.2	39	7	-35	21		31	2.13	1.71	.44	4				9	4	
MANDAN EXP STATION	2.5	-6.1	47	8	-33	21		31	.75	.38	.28	5	14.4	8	5+	10	1	
MANDAN FT LINCOLN PARK	5.3		49	7	-33	21		31										
MAX	-1.9M	-6.4	40	8	-33	22		31	1.18	.83	.30	8	21.7	22	8+	12	1	
MC CLUSKY	1.0	5.4	38	8	-31	21		31	2.09	1.65	.51	5	23.9			6	4	
MINOT CAA	1.1	-5.5	45	8	-32	20		31	1.50	1.13	.35	7	26.2	29	24+	13	2	
MINOT EXP FARM	1.3		41	7	-33	21		31	1.40		.52	5	20.2	32	25+	12	2	
MOHALL	-1.2	-6.0	39	6	-39	20		31	.41	.07	.17	8	4.3	28	23+	6		
NAPOLEON 2 SE	2.0	-4.8	40	7	-32	21		31	1.14	.73	.23	23	11.4	13	31	14		
NEW SALEM 1 S	2.9	-6.8	46	7	-29	21		31	1.48	1.04	.53	4	14.1	28	23+	8	1	
PETTIBONE	3.1	-0.8	44	7	-31	21		31	.43	.05	.11	8	6.6	8	23	8		
RIVERDALE	2.5		41	6+	-30	21		31	1.87		.60	8	37.5	26	24	6	4	
ROLLA	-0.3	-2.9	47	6	-39	20		31	1.33	.80	.34	15	18.7			10	2	
RUGBY	-0.8		37	6	-37	20+		31	2.46		1.25	5	24.6	49	15	5	2	1
STEELE	2.5	-9.7	48	7	-33	21		31	1.44	1.04	.48	4				9	1	
TOWNER	1.5	-5.6	40	6	-43	20		31	1.14	.69			24.5			6		
TURTLE LAKE	0.6	-6.1	40	7	-36	21		31	1.70	1.35	.30	4+	28.2			8	5	
UNDERWOOD 12 W	1.9	-8.0	43	6	-43	21		31	1.38	1.05			24.0			10		
UPHAM WILDLIFE REFUGE	-5.3		40	6	-45	20		31	1.47		.85	5	19.1			8	1	
VELVA	1.3	-5.4	40	7	-38	21		31	1.69	1.27	.44	5	30.5	30	24+	8	3	
WASHBURN	3.2	-5.0	42	7	-34	21		31	1.15	.83	.30	5+	20.0	24	23	6	2	
WESTHOPE	-1.5	-3.6	37	6	-42	20		31	.59	.26	.18	8	9.0	31	24+	6		
WILLOW CITY	-1.4	-2.5	40	7	-44	20		31	1.04	.49			12.8			6		
WILTON RR STATION	0.4	-7.6	44	7	-31	22		31	.91	.57	.31	8	18.0			10	1	
WISHEK	3.0M	-4.3	46	8	-30	21		31	.76	.37	.36	5	12.1	10	23+	14	1	
DIVISION	0.8	4.5							1.29	0.85								

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 SW	3.0		47	7	-27	21		31	.72		.16	5	10.1	8	23+	11		
AMIDON	2.4	-12.2	44	7	-32	25		31	1.20	0.77	.32	3	24.6	22	31	9	1	
BEACH	2.4	- 9.7	43	7	-34	21+		31	1.41		.69	8	17.2	14	31	7	2	
BELFIELD	1.8	-12.5	48	7	-41	21		31	1.61	1.15	.39	15		18	30+	10	2	
BOWBELLS RR STATION	-1.3	- 6.1	41	7	-35	20		31	.45	-.05	.21	19	6.9	20	19	4		
BOWMAN COURT HOUSE	-0.4M	-15.0	38	7	-35	21		30	.43	-0.01	.16	15				7		
CROSBY	-2.9	- 7.3	41	7	-36	20+		31	.17	-0.23	.09	8	2.9	15	30+	4		
DICKINSON CAA	0.6	-10.0	45	7	-34	25		31	2.06	1.64	.70	8	17.5	16	24+	12	3	
DICKINSON EXP STATION	0.2	-10.4	48	8	-41	21		31	1.23	.81	.17	8	16.7	15	30+	12		
DUNN CENTER	2.3	- 9.9	54	7	-45	21		31	1.81	1.45	.75	8	25.0			4	4	
ELBOWOODS	0.4M	- 8.2	58	7	-43	21		31	.78	.45	.34	8	13.2			6	1	
EPPING	0.3	- 4.9	44	7	-31	21		31	.45	.03	.19	8	5.9			5		
GRENORA	1.4	- 3.5	40	7	-32	20		31	.03	-0.41	.03	16	1.2	6	21	12	1	
HETTINGER	3.8M	- 9.9	47	7	-36	21		30	.47	.11	.15	8				5		
KENMARE	0.6	- 5.2	40	7	-34	21		31	1.07	.72	.42	8				7	1	
MARMARTH	1.8	-11.7	45	7	-43	21+		30	1.52	1.10	.35	5+	31.5	25	31	6	3	
MEDORA STATE PARK	1.4	-13.1	50	7	-45	21		30	1.98	1.44	.90	8	17.6	12	16+	7	4	
MEDORA T R N M P	3.0		48	7	-46	21		31	1.29		.78	8	18.2	12	15+	3	2	
MOTT RR STATION	2.9	- 7.3	46	7	-39	21		30	.82	.33	.40	5	8.3			6	1	
NEW ENGLAND	5.3	- 8.2	49	7	-37	21		30	1.71	1.25	.58	23	27.1	23	30	7	3	
PARSHALL	0.6	- 5.7	43	7	-32	21		31	1.20	.86	.34	5	13.5	24	23+	8	2	
PORTAL	-2.0	- 5.0	38	7	-45	20		31	.20	-0.20	.12	31	2.0	18	31	2		
POWERS LAKE	-1.3	- 9.4	40	6	-35	20		31	.64	.12	.30	18	8.9	25	31	7	1	
RICHARDTON ABBEY	3.6	- 7.5	50	6	-31	21		31	2.12	1.74	.50	3+	24.8	20	24	9	4	
SANISH	-0.1	- 5.1	45	7+	-36	22		31										
STANLEY	3.1		38	6	-37	20		31										
VAN HOOK	0.9		44	7	-37	21		31	.54		.29	8	8.2	17	5	6	1	
WATFORD CITY	2.8	- 7.0	41	6	-34	21		31	1.00	.53	.63	8	11.7			6	1	
WILLISTON WB CITY	1.0	- 5.4	46	7	-31	21		31	.57	.03	.43	7+	5.7	9	8	9	1	
DIVISION	1.1	- 7.3							1.02	0.55								
STATE	1.7	- 5.3							1.14	0.66								

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA

JANUARY 1949

Station	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S					*	.24			.10							.33		.11						.10							.04	0.82
ALEXANDER RR STATION			.01	T				.84	.08	T					T	.05		.01					.17								0.66
ALMONT 7 SN			.05	.15	.16			.07		.02					.08			T	T	.03		.01	.14	.02					.01		0.72
ALPHA 1 S			.09					.37	.02	.02	T				.56			T	T			T	.25		T		T	T	T		1.31
AMIDON			.32	.24	.08			.10							.23					.02			.07	.03						.11	1.20
ARVILLA STATE PARK		.01	.02		.19			.16							.02	.10		.02		.02	.01		.11	.05					.01		0.74
ASHLEY 2			.04	.25	.25					.03	.02						.01		T	.02	.03	.03		.02	T			T				0.70
BEACH		T	.05	T				.69		T					.35	T		T	.04	T			.15	T		T			.10	.03	1.41
BELCOURT INDIAN RES			.02	.08	.24			.06							.32					T			.11	.07						T	0.91
BELFIELD			.15	.25		.05		.20							.38					T			.22	.10				T	.05	.10	.10	1.61
BEULAH		T	.02	.14	.82			.60							.08				T	.10			.26		T				T			2.02
BISBEE	T	T	.04	.22	.18	.04		.21						T	.54	.10		.01		T			.17	.08								1.60
BISMARCK WB CITY		T	.07	.30	.08		T	.04		T					.05	.02	T	T	.01	.03	T	.02	.10	.01	T		T	T	T	T	T	0.74
BISMARCK WB AIRPORT 2		T	.07	.30	.09		T	.04		T					.05	.02	T	T	.01	.03	T	.02	.10	.01	T		T	T	T	T	T	0.74
BOTTINEAU		T			.38			.07							.03			T		T			.08	.08					.02	T	0.68
BOTTINEAU STATE PARK	-	-	-	-	.10	-	-	.05	-	-	-	-	-	-	.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOWBELLS RR STATION			.06					.07										.11	.21					T								0.45
BOWMAN COURT HOUSE 2					.05			.03							.16	.03				.05			.04								.07	0.43
BREIEN			.07	.08	.15	.05		.30								.25				.04				.07								1.01
CARRINGTON			T	.07	.32	.09		.17						T		.05		.04						.10	T				T			1.75
CARSON 2 SW				.21	.88			.10							.17									.38								1.75
CAVALIER POWER PLANT		T	.03	.12	.27	T		.06							.05	.10	.03			T	T	T	.15	.12						T	T	0.93
CENTER		.01	.05	.18	.31			.38							.17	.12		T		.04			.34	.06			T		T	T	1.86
COGSWELL				.02	T	T			T		T				T	.01		T		T	.01		T	T							0.04
COLGATE				.05	.15																.14											0.34
COOPERSTOWN				.20				T										.22					.11									0.53
COURTENAY			T	.08	.12			.04							.04	.03		T		.09	T		.07	T					T			0.47
CROSBY			.01	.01				.09								T		T													.08	T	0.17
DAWSON R			.12	.24	.07			.03						-	-	-						*	.16						*	.02	-	-
DEVILS LAKE WB CITY 2		.01	.01	.27	.07		T	.22						T	.09	.01	T	T	T	.01	T	.02	.21	.05	.01	T	T	T	T	T	T	0.88
DICKINSON CAA 2		T	.09	.16	.06		T	.70	T	T					.35	T		T	T	.07		.09	.33	.09			.03		.08	.01	T	2.06
DICKINSON EXP STATION			.04	.14	.16			.17	.11	T	T				.11	.15			T	.03	T		.10	.14			T			.07	.01	1.23
DRAKE			T	.10	.45	.18		.20	.03						.01	.21		.02	.06					.27								1.53
DUNN CENTER				T	.43			.75	T						.30				T	T		T		.33					T	T	1.81
DUNSEITH ST SANITARIUM		T	T	T	.20			T							T		T			T		T	T							T	0.20
ECKMAN				.11	.85			.30	.29						.18	.28		.08			T		.32									2.42
EDGELEY EXP FARM 2		T	.03	.26	T			.04		T					.02				T	.12		.02	.03		T		T	T		T	0.52
EDMORE 1 N			.02	.02	.26				.22							.26				T	T		.28	.16			T	T			1.22
ELBOWOODS		T	.05		.15		T	.34								.02	.02			T			.20								0.78
ELLENDALE NORMAL SCH			.09	.94	.11			.11		.01					T					.12		T	.10				T				1.48
EPPING							.05	.19							.01								.12							.08	0.45
FAIRFIELD 9 N			.02					.56							.11				T	.08			.08						.08	T	0.89
FARGO WB AIRPORT Z		T	T	.68	.03			.07						T	.08	.13	T	.03	T	.10	.01	T	.05	T	.03		T	T		.01	.02	1.24
FESSENDEN				.51	.32			.43							.39			.30					.28				.16				2.39
FORMAN				.56	.10			.05		.03						T		T		.13	T	.05	T	.05			T	T		T		0.97
FORT YATES		T	*	.40	.52					T								T		.08		T	T								1.00
FOXHOLM WILDLIFE REF		T	.02		.54		T	.20							.03			T		T			.15	T						T	0.94
FULLERTON		T	.30	.54	.15			.06	T	T					T	.02	T			.17		.04	.26	T			.03			T	1.57
GACKLE			.04	.04	.02										T	.02		T	T	.04	T	.01	.22	T	.02		T	T		T	T	0.43
GARRISON 2		T	.07	.38	.15		.06	.65							.16	T	T			T		T	.40	.04					T		T	1.91
GLEN ULLIN R			.09	.21	.21			.11							.17			*	*	.14		*	*	.24								1.17
GRAFTON STATE SCHOOL		T		T	.59	.02		.38	.38						T		.27			T		.07		.56	.01				T			2.28
GRAND FORKS CAA 2			.01	.16	.08		T	.20						T	.12	.06	.02	.10		.06	T	.01	.21	.01	.01		T			.03	T	1.08
GRAND FORKS UNIVERSITY			T	.43	.28	.01		.26	T		T			T	.01	T		.07		.09	.01	T	.24	.07	T					.04	.02	1.53
GRANO R//			.22	.36	.32		.07	.37	.06						.32	.07	.67	.80	.05	.02		.01	.22	.01	.02					.05	.04		3.88
GRANVILLE		T	.05	.13	.47	T	T	.21							.08	.01		.17		T			.12	.06	T			T		T	T	1.30
GRENORA		T														.03																0.03
HALLIDAY			T	T	.33			.66							.39	T			.04	.04			.23	T	T					T	.06	1.75
HANKINSON RR STATION				.84	.41	.04		T								.03			.02		.15			.05					T			1.34
HANNAFORD R				.29	.13			.04	*	*	*	.08			*	*	*	*	*	*	.15	*	*	.25						*	.04		0.98
HANNAH		T	T	.05	.15	.15		.20							.30									.38								1.23
HANSBORO			.03	*	.30			T							.49	T		T					*	.34			T			T	T	1.16
HARVEY WATER WORKS		T	T	.07	.03			.07					T		T	.03			T	T			.08	.03	T		T			.10	T	0.41
HAZELTON RR STATION R//		.03	.32	.65	.28	.04		.10							.16	.16	.08			.12		.03	.08	.04					.03	.04	.03	2.19
HETTINGER					.14			.15		T					T	T			.06				.10				T				.02	0.47
HILLSBORO			T	.04	.43	.02		.08			T			T	.03	.12	.03	T		.04		T	.10		.06						.13	1.08
HURDSFIELD			.06	.27	.25	.18	.13	.23							.10	.15		*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAMESTOWN CAA Z		.01	.01	.45	.18		T	.07			T				.05	.02	T		.11	.07	T	.03	.08	T	.01		.01			T	T	1.10
JAMESTOWN STATE HOSP		T	T	.18	.60			.04							T	T	T	T	.01	.07	T	T	.04	T	T		T			T		0.94
KENMARE			.07	.05	.11			.42										.15	.12					.15								1.07
KENSAL WILDLIFE REFUGE			T	.20	.09			.09							T	.02	T	T	T	.07			.12				T			.01	T	0.60
LA MOURE		T	.02	.22	.06	.02	T	.02		.01				T	T	T				.30		.04	.20									0.93
LANGDON EXP FARM				.22	.48			.22							.22	.23							.38	.28						.05		2.08
LARIMORE				.30	.10			.20															.53								T	1.13
LEEDS .07		T	T	.04	.10	.09		.62							.12	T	.01			T		.13	.08				T			T	.02	1.22
LINTON		T		.63	.02			.04			T				.06	.02		T		.02	T	.12	T	T			T			.02	T	1.13
LISBON				.29	.25			.03										T		.07	T	T	.03								T	0.67
MADDOCK AGR SCHOOL		T		.44	.36			.40							.33	.11	T	.09	T				.13	.22						.05	T	2.13
MANDAN EXP STATION Z			.01	.10	.28	T		T	.05		T				T	.04		T	T	.04	.03		.11	.08	T	T	T	T		.01	T	0.75
MANDAN FT LINCOLN PARK			.06	.20	-			.03		T					.04			T	T	.10		T	.11		T					T	T	-
MANNING			.07	.36				.84	T						.18				.10	T			.12	.08						.01	.11	1.76
MARMARTH			.19		.35				.23	T					.35				T	T		T	.29									1.52
MAX				.07	.14	.16	T	.30	.15	T					.04	.10	T	.02	.05	T			.05	.06	T					.04		1.18
MAYVILLE			.01	.31	.38	.02		.25	.09						.06	.15		T		.04	T	T	.22	.14	.03		T			T	.02	1.72
MC CLUSKY					.51			.45	.16							.45							.48						.04			2.09
MC GREGOR RR STATION R		*	*	*	.43			.13							-	-	-	-	-	-	-	-	-	-						.01	.15	-
MC HENRY 6 N				.22	.40			.24							.02	.10				.02		T	.14	.20							T	1.34
MC LEOD 3 E				.64		.20			.05						.08				.08		.10											1.15
MC VILLE				.60				.35								.10							.40								.05	1.50
MEDINA 1 N			.05	.30	.28			.05							.05								.13									0.88
MEDORA STATE PARK			.25	.27				.80							.60								.02						.02	.02	1.98
MEDORA T R N M P								.78							.29				T				.22	T						T		1.29
MINOT CAA Z		T	.32	.23	.15	T	.06	.35							.21	.01		.02	T	.01	T	.01	.08	T	T			T	T	.04	.01	1.50
MINOT EXP FARM		T	.01	T	.52		T	.39	.04			.07			.15		.03			.01			.07	T	.02		T	T	.08	T	.03	1.40
MOFFIT RR STATION				.53	.02				.06							.02				T	.01		.06	.01								0.71
MOHALL					.03			.17							.12								.06	.01					.02			0.41
MONTPELIER		T	.02	.11	.03				.04								.01			.05	.05		.02	.01	T	T		T		T		0.34
MOTT RR STATION 2		.05	.10	.40				.07							.10	T			T	T		T	.10	T			T			T		0.82
MUNICH 4 SN		T	.07	T	.30			.19							.19			T		T	.08	T	.24		T		T	T	T			1.07
NAPOLEON 2 SE		T	.10	.12	.03	.08		.10							.05	.10		.06		.08	.03	.02	.23		T			.07			.05	1.14
NEW ENGLAND			.25	.15	.20			.27			T				.16		T	T	T		T		.58			T			.10			1.71
NEW ROCKFORD 6 NW		T	T	.33	.09			.34							.13		T	T	T	T		T	.23	T	T		T			T	T	1.12
NEW SALEM 1 S			.12	.53	.20			.15							.20				.01	.07		T	.20									1.48
OAKES WATER WORKS 2				.12	.14	.08														T	.09		.04									0.47
PARK RIVER				.03	.27			.15							.02					.05			.11		T	T				.02		0.60
PARSHALL			.09	.02	.34			.32							.16		T	.08					.16	T						.02		1.20
PEMBINA CAA 2		T	.01	.15	.03			.03						.01	.06	.06	T	T		.03	T	.03	.11	.05	.04		T		T	.01	.01	0.64
PETTIBONE		T	.03	.10	.03			.11							.02	.01	T			.01		T	.10	T						T		0.43
PORTAL		T	T					.08																			T	T	.05		.12	0.20
POWERS LAKE .03						.12								.0	T			.30					.06								.02	0.84
PRETTY ROCK		*	*	*	.45			.40	.10	.03					.20	.10	.20	T	T							T	.20	.10			T	1.80
RAUB			.03	.10			.1	.82							*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RICHARDTON ABBEY		T	.5	.28	.50			.28	T	T					.20	T		T	.03	.04			.20	.1	T		T				T	2.12
RIVERDALE		T	T	.30	.50			.60							.12					T			.30	.05							T	1.87
ROLLA		T	.04	.22	.25			.08							.34	.10		.01		T			.17	.08	T						.04	1.33

See reference notes following Station Index

DAILY PRECIPITATION

Table 3—Continued

Station	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
RUGBY 1 N			T	.20	1.25			.20							.83					T			.18	T							2.48
RYDER				.80		.15										.30							.05							.02	1.12
SANISH			T		.18			.50	.12						.04	.05		.01					.08	.05					.03	-	-
SARLES R//				.37	.11			.08	.02						*	*	*	.79				.03	.17	.08				*	*	.05	1.68
SHARON			T	.18	.17			.18							T	.12				.20		.02	.23	.03						.05	1.18
SHERWOOD			.09					.10													T		.03								0.22
STANLEY			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	.08	-	-	-	.04	-	-	-	-	-
STEELE		T	.18	.48	.10			.08							.23	.06		.04	T				.23	.06				T				1.44
TAGUS			T	.08	.17		T	.14	T						.08			.20		.03			.03	.02	.02	T			T	T	.01	0.78
TIOGA								.16															T	T								0.16
TOWNER			*	.49	.20			.21							.07	T							.17						T			1.14
TROTTERS		-	.22	T				.15		T					.13		T		.02	T			.18	.05			T		.03	T	.01	-
TURTLE LAKE			.20	.30	.05			.29							.26			.25	T	T			.30							T	.05	1.70
TUTTLE 8 SW			.08	.18	.32			.10	.07						.08	.02	.02	.04				.03	.25		.01			.01			.07	1.28
UNDERWOOD 12 W		*	*	.50			*	*	.20						T	.18	T	T	T	T		*	*	.50				T		T	T	1.38
UPHAM WILDLIFE REFUGE			.04	T	.85	T		.18							.10	T		.08		T			.14	T	.05					T	.03	1.47
VALLEY CITY			T	.25	.14			.03								T	.08	T	T	.13	.04	.03			.04					T		0.74
VAN HOOK			.01		.10			.29							.03								.09	.02				T		T		0.54
VELVA		T	.07	.24	.44			.35							.19			T		T	T		.27	.10					.03	T	T	1.69
VERONA					*	.65																										0.65
WAHPETON POWER PLANT R			.19	.90				.03												.15			-								-	-
WAHPETON STATE SCHOOL		T	T	1.02	T			T	T							.02		.03		.09	.04		.05		.02		T				T	1.27
WASHBURN		T	T	.15	.30			.30							.12				T	.05			.23								T	1.15
WATFORD CITY			.01					.63							.12			.01					.22								.01	1.00
WESTHOPE			.04					.18								.12	.03			T			.12	.10						T		0.59
WILDROSE		T	T				T	.23							T	.11						T							T	T	.15	0.49
WILLISTON WB CITY H	T	T	.01				.13	.30		T	T				T	T	T	.01	.02	T	T	T	.07	.01	T		T	T	.01	T	.01	0.57
WILLOW CITY			.06	*	.64			.08							.22					T			.06									1.04
WILTON RR STATION			T	.08	.14	.03		.31	.06							.09				.02			.11	.08						.01		0.91
WISHEK		T	.02	.12	.36	.02		.03			.01					.08	.01	.02	T	.01	.02	.02	.05	T	T		T	T			.01	0.76

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5 and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

-	No record
+	And also on later dates.
*	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
6	Precipitation measured at 6-hourly intervals, no recording gage.
B	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table 5 for detailed daily record.
R	Station equipped with recording gage only.
S	Storage precipitation station. Precipitation measurements, made at irregular intervals, will be published in the June issue of this publication.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
Z	Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly subscription includes Annual Summary) Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois.

Table 4

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—2d—																									
DEVILS LAKE WB CITY												.01													.01
HAZELTON RR STATION //																				.01		.01		.01	.03
JAMESTOWN CAA //																							.01		.01
MC GREGOR RR STATION																		*	*	*	*	*	*	*	*
—3d—																									
BISMARCK WB AIRPORT								.01		.01		.01		.01		.01		.01						.01	.07
BOWMAN COURT HOUSE //	.02	.01	.01					.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01		.01	.01		.01	.18
DAWSON								.02		.01	.01	.02	.03	.02	.01										.12
DEVILS LAKE WB CITY			.01																						.01
DICKINSON CAA							.02	.01	.02			.01	.01	.01	.01	.01	.01		.01	.01					.13
GARRISON									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GLEN ULLIN							.01	.02	.01			.01	.01	.01			.01		.01						.09
GOLVA //																			.02	.01	.01	.01			.05
GRAND //		.02	.01	.01	.01	.01	.01	.01	.02		.01	.02	.03	.02	.01	.01		.01						.01	.22
HAZELTON RR STATION //						.01	.01	.02	.02	.02	.02	.03	.07	.03	.03	.02	.02						.01	.01	.32
HURDSFIELD						.01		.01	.01					.01					.01			.01			.08
JAMESTOWN CAA //		.01											.01	.01	.02										.05
MANDAN EXP STATION							.01	.01		.01	.01		.01												.05
MINOT CAA //				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
RAUB //																				.02	.02	.01	.02	.02	.09
RIVERDALE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
WAHPETON POWER PLANT																				.04	.06	.07	.01	.01	.19
WILLISTON WB CITY			.01																						.01
—4th—																									
BISMARCK WB AIRPORT			.01		.01	.01	.01	.01	.01		.01	.01	.03	.03	.03	.03	.03	.02	.01	.01	.01	.01	.01		.30
BOWMAN COURT HOUSE //	.01	.01				.01			.01	.01	.01	.01	.01	.01	.03	.01	.03	.01	.02	.01	.01	.02	.02	.02	.27
DAWSON									.01		.01	.04	.05	.05	.02	.02	.01	.03							.24
DEVILS LAKE WB CITY			.01	.01					.01					.01	.02	.05	.04	.04	.03	.02	.02	.01			.27
DICKINSON CAA	.02	.02	.02													.02	.01	.03	.01	.02	.02	.02	.04	.02	.25
FARGO WB AIRPORT //		.02	.05	.05	.05	.03			.02		.02	.06		.02	.10	.14	.10		.01					.01	.68
GLEN ULLIN								.01					.03	.04	.02	.02	.01	.02	.01	.03	.01	.01			.21
GOLVA //	.01	.02	.01	.02	.02	.01	.01	.01	.02	.01	.01	.02	.01		.01	.01									.20
GRAND FORKS CAA //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GRANO //	.01	.01	.01															.01	.01	.01	.06	.04	.01	.19	.36
HANNAFORD						.01	.01		.01	.01			.04	.01	.03	.02	.08	.07							.29
HAZELTON RR STATION //	.01	.01	.02	.02	.02	.02	.01	.01	.01	.03	.02	.15	.06	.09	.04	.03	.05	.03				.01		.01	.85
HURDSFIELD	.01	.01			.01	.01	.01	.04				.01	.02	.04	.04	.02	.01	.01	.01	.01	.01				.27
JAMESTOWN CAA //	.01	.01	.01	.02	.04	.01	.03		.01	.01	.01	.04	.01	.03	.03	.07	.05	.02	.01			.01		.01	.44
MANDAN EXP STATION							.01	.01	.01				.04			.01									.08
PEMBINA CAA //	.01	.01							.01				.01	.01		.01	.02	.02	.05	.02		.01	.01		.19
RAUB //	.02	.01	.02	.02	.01	.01			.01																.10
SARLES 3 E //								*	*	*	*	*	*	*	.05	.01	.01	.04	.09	.10	.04	.01	.01	.01	.37
WAHPETON POWER PLANT	.13	.17	.07	.01	.01	.01	.01		.12	.07	.09	.02	.09	.04	.03	.01	.01	.01							.90
—5th—																									
BISMARCK WB AIRPORT			.01			.01	.01		.01	.01	.01	.01	.01	.01											.09
BOWMAN COURT HOUSE //	.02	.01																							.03
DAWSON		.01	.01					.01	.01	.01				.01				.01							.07
DEVILS LAKE WB CITY			.01	.01					.01				.01	.01	.02										.07
DICKINSON CAA	.03	.04	.02	.01	.01	.01		.08																	.20
FARGO WB AIRPORT //																.01	.01					.01			.03
GARRISON	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.80									.80
GLEN ULLIN	.01	.04	.04	.03	.02			.02	.01	.01			.02	.01											.21
GOLVA //	.01		.01			.01			.01	.01		.01	.02		.01	.01									.10
GRANO //	.11	.11	.04	.01				.01	.01	.01	.01	.01													.32
HANNAFORD							.01		.03	.01	.01			.01	.01	.01	.01	.03							.13
HAZELTON RR STATION //	.01	.02							.01	.02	.09	.01	.01	.05	.03	.01			.01		.01				.28
HURDSFIELD		.01		.01		.01		.01	.01	.01	.01	.04	.04	.02		.01	.01	.01	.01	.01	.01	.01	.01		.25
JAMESTOWN CAA //		.01			.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03	.03	.06	.05	.04						.37
MANDAN EXP STATION			.01	.01																					.02
MC GREGOR RR STATION	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.43	.43
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.78	.78
PEMBINA CAA //		.01											.01	.01	.01	.01	.01		.01						.07
RIVERDALE	*	*	*	*	*	*	*	*	.40																.40
SARLES 3 E //										.01	.01	.02	.03	.01	.01		.01		.01						.11
—6th—																									
GOLVA //				.01	.02	.01	.01		.01	.01	.01	.01	.01												.10
GRAND FORKS CAA //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HAZELTON RR STATION //						.01	.01			.02															.04
HURDSFIELD	.03	.01			.01			.01	.02	.02	.08														.18
—7th—																									
GARRISON																				.01	.01	.03	.04	.04	.13
GOLVA //																								*	*
GRANO //																					.05			.02	.07
HURDSFIELD																						.03	.04	.06	.13
MINOT CAA //																					.01	.04	.05	.04	.14
RAUB //																						.04	.02	.04	.10
RIVERDALE																					.02	.04	.04	.03	.13
WILLISTON WB CITY																						.01	.05	.07	.13
—8th																									
BISMARCK WB AIRPORT										.01	.01				.01			.01							.04
BOWMAN COURT HOUSE //							.01	.02	.03	.02	.02	.03	.01	.01											.15
DAWSON									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.03	.03
DEVILS LAKE WB CITY		.01	.02	.02	.02	.03	.02		.02	.02	.01	.01	.01	.01	.02										.22
DICKINSON CAA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FARGO WB AIRPORT //															.01	.01	.01	.02	.02						.07
GARRISON	.04	.06	.06	.06	.05	.05	.02	.03	.07	.03	.03	.02	.03	.01	.01										.57
GLEN ULLIN							.04		.02	.01	.01	.03													.11
GOLVA //	*	*	*	*	*	*	*	*	*	.55															.55
GRAND FORKS CAA //		.01	.01	.01		.01	.01	*	*	*	*	.06													.11
GRANO //	.03	.04	.06		.03	.02	.04	.01	.05	.05													.01	.03	.37
HANNAFORD		.01	.01														.01			.01					.04
HAZELTON RR STATION //									.01	.01	.01	.02	.01	.01	.01	.01	.01								.10
HURDSFIELD	.06	.04	.04		.01	.01	.01	.01	.01		.01	.01		.01	.01										.23
JAMESTOWN CAA //		.01	.01										.01	.04	.06	.06	.04	.01	.01						.25
MANDAN EXP STATION					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.04	.04
MC GREGOR RR STATION		.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01		.01											.13
MINOT CAA //	.06	.08	.06	.07	.07	.06	.02	.01	.03	.04	.03	.01													.54
PEMBINA CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.09	.01	.02	.02	.01		.01	.01	.01	.18
RAUB //	.08	.09	.03	.15	.13	.05	.02	.07	.04	.03	.02	.05	.03	.03											.82
RIVERDALE	.03	.03	.04	.03	.01	.01			.02	.01		.01	.01	.01			.01								.22
SARLES 3 E //											.01	.03	.02	.01	.01										.08
WAHPETON POWER PLANT														*	*	*	*	*	*	*	*	*	*	.03	.03
WILLISTON WB CITY	.02	.02	.03	.05	.02	.03	.02	.03	.03	.02	.02	.01													.30
—9th—																									
DICKINSON CAA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.13	.13
GRANO //	.01	.02	.01	.02																					.06
HANNAFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SARLES 3 E //	*	*	*	*	*	*	*	*	.02																.02

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
–11th–																									
HANNAFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.0H	.08
JAMESTOWN CAA //											.02		.02												.04
–13th–																									
PEMBINA CAA //						.01																			.01
–14th–																									
BOWMAN COURT HOUSE //																								.06	.06
DAWSON										–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GOLVA //													*	*	*	*	*	*	*	*	*	*	*	*	*
–15th–																									
HISMARCK WB AIRPORT														.01	.01	.01	.01						.01		.05
BOWMAN COURT HOUSE //	.02	.03	.02	.01				.03	.01	.02	.02	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.32
DEVILS LAKE WB CITY								.01					.01	.01	.01				.01	.01	.01	.01	.01		.09
DICKINSON CAA	.01	.01	.01						.03	.03	.02	.02	.04	.04	.03	.05	.04	.04	.04	.04	*	*	*	*	*
FARGO WB AIRPORT //																		.01			.01	.02	.02	.02	.08
GARRISON							.02	.02	.01	.02	.02	.01	.05	.01											.16
GLEN ULLIN	*	*	*	*	*	*	*	.0H	.01		.01	.02	.01	.01	.02	.01									.17
GRAND FORKS CAA //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GRANO //					.02	.09	.0H	.03					.01	.01	.01	.01	.01	.01		.01		.01		.02	.32
HANNAFORD													*	*	*	*	*	*	*		*		*	*	*
HAZELTON RR STATION //														.01	.01	.03	.02	.04	.01	.01	.01		.01	.01	.16
HURDSFIELD											.01			.01	.01		.01	.01	.01		.01	.01	.01	.01	.10
JAMESTOWN CAA //																.01		.01	.01	.01	.02	.02	.01	.01	.10
MANDAN EXP STATION									.01		.01	.01		.01											.04
MC GREGOR RR STATION	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MINOT CAA //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PEMBINA CAA //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RAUB //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
RIVERDALE	.01	.02	.					.01	.02	.02				.02	.01		.01	.01							.13
SARLES 3 E //							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
–16th–																									
HISMARCK WB AIRPORT				.01		.01																			
BOWMAN COURT HOUSE //	.10	.06	.04	.04	.02																				.02
DAWSON	–	–	–	–	–	–	–	–																	.26
DEVILS LAKE WB CITY											.01														.01
DICKINSON CAA	*	*	.23																						.6H
FARGO WB AIRPORT //	.02	.03	.02	.02	.01			.01	.01	.01															.13
GARRISON												.02													.02
GOLVA //	*	*	*	*	*	*	*	*	*	*	*	.55													.55
GRANO //	.02	.03	.02																						.07
HAZELTON RR STATION //	.01	.02	.01			.01	.01	.02	.01	.01	.01	.03		.01		.01									.16
HURDSFIELD		.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.03										.15
JAMESTOWN CAA //	.01	.01	.01	.01	.02																				.06
PEMBINA CAA //	–	–	–	–	–	–	–	–	–	–	–	–													
RAUB //	*	*	*	*	*	*	*	*	*	.33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
–17th–																									
GARRISON																		.01	.01						.02
GRANO //	.01	.01				.01	.01	.03	.01	.01	.01	.13	.11	.03	.01	.01	.07	.05	.01			.01	.05	.09	.67
HAZELTON RR STATION //											.01		.01	.01		.01		.04							.08
–18th–																									
FARGO WB AIRPORT //		.01	.01								.01														.03
GLEN ULLIN	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GRAND FORKS CAA //	–	–	–	–	–	–	–	–	–	–	–	–													
GRANO //	.08	.10	.10	.12	.10	.10	.03	.02	.03	.03	.02	.03	.01	.01	.01									.01	.80
HURDSFIELD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PEMBINA CAA //												.01	.01	.01	.02	.01	.01	.01	.02	.05	.03	.02	.02	.02	.24
SARLES 3 E //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.79	.79
WILLISTON WB CITY				.01																					.01
–19th–																									
HISMARCK WB AIRPORT																									
DICKINSON CAA																.01								.01	.01
GRANO //		.01									.01	.01	.01	.01									.01		.02
HURDSFIELD	*	*	*	*	*	*	.21																		.05
JAMESTOWN CAA //													–	–	–	–	–	–	–	–	–	–	–	–	–
MANDAN EXP STATION																						.01	.01	.01	.03
PEMBINA CAA //						.03		.03											*	*	*	*	*	*	*
WILLISTON WB CITY											.01	.01													.06
–20th–																									.02
HISMARCK WB AIRPORT						.01			.01			.01													
HOWMAN COURT HOUSE //								.02	.01		.01		.01												.03
DEVILS LAKE WB CITY																									.05
DICKINSON CAA			.01	.01	*	*	*	.17										.01							.01
FARGO WB AIRPORT //						.01			.01	.01	.01				.01	.02			.01	.01	.01				.19
GLEN ULLIN	*	*	*	*	*	.14																			.10
GOLVA //			.01	.01	.01	.02																			.14
GRAND FORKS CAA //												.01	.02					.01		.02			.01		.05
GRANO //													.01	.01											.07
HAZELTON RR STATION //					.01	.01				.03	.02	.01	.02		.02										.02
JAMESTOWN CAA //			.01		.01	.01		.01	.03	.03	.03	.02	.03	.01	.01	.01	.01				.01			.01	.12
MANDAN EXP STATION	*	*	*	*	.07																.01				.24
RIVERDALE						*	*	*	*	*	*	*	*	*	*	.02									.07
WAHPETON POWER PLANT					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.15	.02
–21st–																									.15
FARGO WB AIRPORT //						.01																			
GRAND FORKS CAA //		.02																							.01
HANNAFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.15								.02
JAMESTOWN CAA //		.01		.01																					.15
–22d–																									.02
HISMARCK WB AIRPORT																									
HOWMAN COURT HOUSE //																					.01			.01	.02
DAWSON	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.01	.02	.02	.03	.02	.03	.13
DEVILS LAKE WB CITY																			*	*	*	*	*	*	*
GARRISON																							.01	.01	.02
GLEN ULLIN																			*	*	*	*	*	*	*
GOLVA //																			*	*	*	*	*	*	*
GRAND FORKS CAA //																					.01	.01	.01		.03
GRANO //																								.01	.01
HANNAFORD																								.01	.01
HAZELTON RR STATION //								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
JAMESTOWN CAA //											.01		.01						.01						.03
MANDAN EXP STATION										–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PEMBINA CAA //																					.01	.01		.01	.03
RIVERDALE										.01	.01	.01	.01											.02	.06
SARLES 3 E //																						.01	.01	.01	.03
																							.01	.02	.03

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—23d—																									
BISMARCK WB AIRPORT	.01		.01			.01				.01		.01		.01		.01		.01	.01	.01					.10
BOWMAN COURT HOUSE //	.02	.01	.01							.01				.01			.01								.07
DAWSON	•	•	•	•	•	•	•	•	•	.11								.01	.02	.01	.01				.16
DEVILS LAKE WB CITY	.01	.01	.01	.01		.01	.01		.01				.01			.01	.01	.02	.02	.02	.02	.01	.01	.01	.21
DICKINSON CAA																								•	•
FARGO WB AIRPORT //									.01	.01								.01					.01	.01	.05
GARRISON	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.29	•	•	•	•	•	•	•	•	•
GOLVA //		.01	.01		.01			.01	.01		.01			.01											.07
GRAND FORKS CAA //	.01		.01	.01		.01			.01	.01	.01								.01	.01	.01	.01	.01	.01	.13
GRANO //	.01	.01	.01		.01	.01			.01		.01	.01	.01	.01	.02	.01	.02	.02	.01	.01	.01		.01	.01	.22
HAZELTON RR STATION //											.01	.01			.02		.01	.02	.01						.08
MANDAN EXP STATION	.01		.01			.01					.01					.01		.01							.06
PEMBINA CAA //	.01	.02	.01				.01	.02	.01		.01	.01	.01	.02	.03	.03	.04	.03	.05	.03	.03	.03	.03	.02	.45
RIVERDALE	.01	.01	.01	.02							.01		.01					.02				.01	.01	.01	.12
SARLES 3 E //	.01	.01	.01	.01	.01	.02		.03	.01	.01	.02	.01		.01	.01										.17
WAHPETON POWER PLANT	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WILLISTON WB CITY						.01						.01	.01	.01		.01		.01		.01					.07
—24th—																									
BISMARCK WB AIRPORT						.01																			.01
DEVILS LAKE WB CITY	.01	.01	.01					.01	.01																.05
DICKINSON CAA	•	•	.15																						.15
GARRISON	•	•	•	•	•	•	.18																		.47
GLEN ULLIN	•	•	•	•	•	•	•	.24																	.24
GOLVA //		.01		.01	.01																				.03
GRAND FORKS CAA //												.01	.01												.02
GRANO //	.01																								.01
HANNAFORD	•	•	•	•	•	•	•	•	•	•	•	.25													.25
HAZELTON RR STATION //										.02			.01	.01											.04
PEMBINA CAA //	.01	.02	.02	.01				.01				.01	.01	.01	.01	.01									.12
RIVERDALE			.01	.02																					.03
SARLES 3 E //					.01	.01	.01	.01				.01	.01												.06
WILLISTON WB CITY						.01																			.01
—25th—																									
DEVILS LAKE WB CITY				.01																					.01
FARGO WB AIRPORT //									.01	.02															.03
GRAND FORKS CAA //												.01													.01
GRANO //											.01		.01												.02
MC GREGOR RR STATION	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–									–
MINOT CAA //	–	–	–	–	–	–	–	–	–	–	–	–													–
PEMBINA CAA //												.03	.02	.02											.07
—29th—																									
BOWMAN COURT HOUSE //																					.01				.01
DAWSON																						•	•	•	•
DICKINSON CAA																				•	•	•	•	•	•
GARRISON																			•	•	•	•	•	•	•
GOLVA //											.01	.01			.01		.01	.01	.02	.02	.03		.02		.14
GRANO //																			.01	.01	.01		.01	.01	.05
HANNAFORD																						•	•	•	•
HAZELTON RR STATION //											.02						.01								.03
MINOT CAA //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PEMBINA CAA //																			.01					.01	.02
SARLES 3 E //													•	•	•	•	•	•	•	•	•	•	•	•	•
WILLISTON WB CITY																					.01				.01
—30th—																									
BOWMAN COURT HOUSE //		.01	.01								.01														.03
DAWSON	•	•	•	•	•	•	•	•	.02																.02
FARGO WB AIRPORT //																						.01			.01
GARRISON	•	•	•	•	•	.06																			.06
GOLVA //	.01	.01	.02	.01				.01	.01	.01															.08
GRAND FORKS CAA //				.03	.01	.01																			.05
GRANO //		.03							.01																.04
HANNAFORD	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.04			.04
HAZELTON RR STATION //	.01										.01	.01	.01												.04
MANDAN EXP STATION			.02																						.02
MC GREGOR RR STATION																								.01	.01
PEMBINA CAA //		.01	.01																						.02
—31st—																									
BOWMAN COURT HOUSE //	.02	.02		.01					.01																.06
DICKINSON CAA	•	•	•	•	•	.09																			.09
FARGO WB AIRPORT //									.01	.01															.02
GRAND FORKS CAA //														.02			.01								.03
HAZELTON RR STATION //	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.03	.03
HURDSFIELD	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
JAMESTOWN CAA //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MANDAN EXP STATION								.01			.01		.01												.03
MC GREGOR RR STATION			.01	.01				.01	.01			.02	.01	.04	.01	.01	.01	.01							.15
MINOT CAA //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PEMBINA CAA //														.01			.01								.02
RAUB //	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RIVERDALE												•	•	•	.03										.03
SARLES 3 E //	•	•	•	•	•	•	•	•	•	•	•	•	•	.05											.05
WAHPETON POWER PLANT	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WILLISTON WB CITY						.01																			.01

See reference notes following Station Index.

DAILY TEMPERATURES

Table S

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	27	17	8	2	21	40	47	29	-08	-02	6	32	36	30	25	5	25	25	-08	-14	-12	-09	-07	-10	-05	12	18	1	6	25	23	12.4
	MIN	7	2	-02	-07	0	19	27	-09	-18	-15	-13	0	23	11	4	-12	-15	-08	-25	-21	-27	-22	-12	-20	-23	-19	-01	-11	-20	4	4	-06.4
AMIDON	MAX	32	24	10	5	23	40	44	38	-08	-03	7	33	33	35	25	9	24	22	-08	-15	-02	2	-08	-14	0	24	19	0	16	24	19	14.5
	MIN	7	1	-13	-15	-10	16	30	-11	-23	-16	-15	-06	16	7	9	-19	-15	-11	-29	-25	-23	-25	-17	-27	-32	-20	-03	-19	-23	11	-01	-09.7
ARVILLA STATE PARK	MAX	23	25	25	11	16	39	40	25	-04	-04	11	28	32	26	30	4	5	23	-10	-17	-08	-06	-02	-06	2	2	10	-05	3	26	20	11.7
	MIN	9	13	10	6	5	11	24	-04	-15	-20	-24	7	20	12	2	-15	-32	-11	-29	-29	-28	-29	-08	-15	-20	-35	-07	-15	-25	-04	-02	-08.0
ASHLEY	MAX	31		24	23	11	25	33	43			1	7	29	34	31		10	9	6	-11	-12	-10		-02	-09	-04	15	17	0			12.5
	MIN	-03		8	9		6	7	12		-20	-22	-02	-02	5	5		-20	4	-20	-25	-28	-29		-13	-21	-21	-16	-11	-20			-09.1
BEACH	MAX	34	24	0	-02	24	39	43	33	-08	-02	6	28	31	37	24	5	26	24	-10	-13	-02	-02	-05	-13	-06	20	16	2	15	23	20	13.3
	MIN	8	-03	-11	-14	-04	18	31	-11	-23	-15	-17	2	20	8	3	-15	-14	-13	-23	-22	-34	-16	-17	-25	-34	-18	-02	-16	-22	13	-01	-08.6
BELCOURT INDIAN RES	MAX	20	21	16	6	22	46	34	22	-03	-03	0	22	36	30	22	-03	13	24	-14	-17	-10	-04	-08	-08	2	0	11	-03	-03	23	18	10.1
	MIN	8	8	0	-07	0	15	21	-10	-18	-26	-24	0	16	7	-04	-25	-33	-15	-36	-44	-40	-25	-13	-17	-20	-29	-04	-09	-26	-05	-10	-11.5
BELFIELD	MAX	31	18	1	-02	24	44	48	18	-04	1	8	36	38	35	22	26	4	16	-10	-06	-04	-05	-08	-11	-04	28	18	3	15	25	18	13.6
	MIN	4	-02	-10	-13	-03	18	32	-10	-22	-17	-17	2	16	4	-01	-16	-16	-17	-25	-23	-41	-23	-14	-23	-37	-28	-06	-16	-22	15	-01	-10.1
BISBEE	MAX	24	26	14	5	9	34	31	21	-04	-07	-04	23	30	24	14	9	13	14	7	-12	-09	-09	-08	-01	-02	6	9	0	14	18	5	9.5
	MIN	8	9	1	-06	-05	-04	18	-09	-12	-29	-27	-13	16	6	3	-13	-29	-16	-32	-39	-36	-26	-13	-18	-12	-32	-09	-21	-27	-03	-05	-12.1
BISMARCK WB CITY	MAX	28	24	22	9	10	30	43	49	16	-02	-09	11	3	40	32	22	0	28	29	-12	-13	-11	-04	-04	-04	1	11	1	18	27	18	14.2
	MIN	4	0	6	3	2	12	25	-10	-10	-09	-15	0	11	7	3	-16	-17	-18	-21	-28	-29	-33	-10	-16	-23	-23	0	-11	-04	-18	-05	-07.8
BISMARCK WB AIRPORT	MAX	24	16	8	6	26	43	46	24	-08	-01	11	34	38	33	24	2	27	26	-13	-14	-11	-05	-05	-08	-04	8	14	3	13	27	16	12.9
	MIN	3	-01	3	-02	4	25	24	-10	-14	-13	-16	2	11	7	2	-18	-20	-19	-23	-26	-33	-20	-10	-21	-25	-27	-03	-11	-22	13	-06	-07.9
BOTTINEAU	MAX	20	18	16	10	17	35	32	25	-06	-10	2	25	34	25	24	3	15	26	-14	-19	-18	-05	-02	-04	-03	8	9	0	-04	20	17	9.5
	MIN	12	8	8	-04	-02	10	10	-07	-25	-23	-28	-07	10	7	2	-11	-26	-15	-31	-37	-37	-25	-16	-17	-22	-25	-05	-18	-26	-05	-12	-11.5
BOTTINEAU STATE PARK	MAX	24	25	15	5	20	39	30	29	-05	-04	0	25	27	28	15	5	0	10	-13	-15	-14	-04	-09	-10	3	0	1	-05	10	20	19	8.7
	MIN	15	11	7	-10	2	16	19	-05	-24	-30	-21	-01	21	15	4	-20	-15	-30	34	-49	-44	-22	-16	-23	-24	-22	-16	-20	-15	5	-15	- 8.7
BOWBELLS R R STATION	MAX		14	11	13	5	31	41	35	6	-15	-01	17	34	29	34	22	1	30	-03	-25	-22	-13	-13	-08	-15	-03	19	6	0	20	23	9.1
	MIN	10	0	-04	-20	-20	3	31	5	-21	-24	-24	-11	15	12	-09	-12	-17	-03	-28	-35	-33	-31	-20	-25	-26	-20	-06	-08	-19	-18	-10	-11.9
BOWMAN COURT HOUSE	MAX	26	27	-10	-04	22	37	38	17	13	-04	9	33	23	25	12	12	20	-08	-15	-11	-12	-13	-15	-15		11	14	-05		20	0	8.5
	MIN	8	-02	-10	-12	-03	16	33	-09	-21	-15	-18	3	16	8	10	-13	-16	-10	-26	-22	-35	-26	-17	-28		-29	-01	-17		-25	-06	-09.2
CARRINGTON	MAX	23	22	25	22	8	28	38	40	13	-12	-07	12	29	32	28	19	-08	23	8	-17	-15	-06	-05	-04	-10	-08	14	8	-01	18	24	11.0
	MIN	3	5	8	3	0	1		10	-18	-19	-15	-12	8	8	7	-08	-20	-10	-27	-27	-31	-30	-21	-15	-18	-22	-20	-15	-21	-21	2	-10.5
CARSON 2 S W	MAX	30	19	10	1	20	38	47	32	-03	-01	10	34	35	32	25	12	25	24	2	-05	-10	-05	-08	-10	-04	10	10	-02	-02	-26	21	11.6
	MIN	3	4	-04	-05	-05	17	31	-05	-19	-16	-15	-01	20	10	10	-16	-18	-10	-28	-28	-30	-22	-12	-20	-26	-23	-10	-15	-20	-05	-05	-08.5
CAVALIER POWER PLANT	MAX	23	26	25	10	13	43	42	26	-02	-03	8	32	34	32	18	2	1	25	-05	-20	-09	-04	-02	-08	-05	-09	-05	-07	-01	23	18	10.4
	MIN	-01	4	6	-04	-01	8	22	-05	-12	-22	-21	5	19	18	2	-15	-26	-05	-28	-37	-30	-23	-12	-17	-15	-25	-20	-15	-17	-03	0	-08.7
CENTER	MAX	24	19	11	4	21	40	45	19	-05	-04	4	30	35	29	22	7	20	20	-12	-15	-10	-08	-04	-10	-03	10	15	0	6	28	25	11.7
	MIN	0	-05	-01	-05	-01	20	19	-05	-20	-18	-16	3	20	5	7	-11	-25	-12	-22	-22	-39	-24	-11	-20	-20	-29	-04	-14	-19	5	-04	-08.6
COOPERSTOWN	MAX	22	23	25	16	16	38	38	25	-17	-05	9	28	30	30	27	3	9	-08	-05	-14	-11	-08	0	-04	0	-06	10	-02	5	24	21	10.3
	MIN	12	15	15	1	3	4	19	-05	-03	-25	-20	2	19	9	0	-14	-25	-20	-28	-22	-29	-23	-10	-16	-17	-24	-06	-18	-26	0	0	-07.5
CROSBY	MAX	23	22	7	-07	10	32	41	33	-04	-15	-11	7	32	27	27	17	5	31	-07	-19	-09	-09	-07	-16	-17	-10	15	6	-03	22	20	7.8
	MIN	5	-04	-08	-20	-19	8	23	-05	-22	-24	-20	-17	7	6	8	-15	-15	-08	-25	-36	-36	-33	-21	-26	-30	-25	-15	-11	-22	-20	-05	-13.7
DEVILS LAKE W B CITY	MAX	20	24	23	7	16	37	39	23	-10	-10	8	23	29	29	24	-05	23	24	-21	-17	-15	-06	-05	-10	-08	5	10	-05	7	21	15	9.5
	MIN	12	15	7	0	2	15	23	-09	-21	-20	-19	4	16	12	-05	-21	-25	-21	-28	-29	-31	-21	-10	-16	-18	-24	-10	-20	-25	7	-04	8.5
DICKINSON CAA	MAX	29	19	-04	0	24	40	45	24	-09	-04	10	32	33	29	23	-01	25	17	-13	-14	-05	-06	-08	-13	-05	20	14	1	19	24	14	11.6
	MIN	7	-05	-10	-11	-01	19	23	-14	-24	-15	-13	5	12	10	-03	-14	-13	-25	-24	-31	-32	-23	-15	-30	-34	-20	-08	-16	-20	11	-11	-10.5
DICKINSON EXP STATION	MAX	30	31	18	-04	11	32	45	48	13	-08	03	12	32	33	32	23	3	26	1	-16	-16	-08	-12	-08	-14	-06	19	13	1	23	25	12.1
	MIN	1	2	-06	-10	-07	11	31	12	-23	-23	-19	-15	12	3	14	-12	-18	-01	-27	-22	-41	-40	-22	-22	-36	-33	-22	-14	-23	-18	5	-11.7
DRAKE	MAX	23	24	10	10	9	28	39	38	12	-04	-10	13	29	29	25	20	-04	24	6	-05	-14	-10	-07	-06	-10	-05	13	6	0	21	25	10.6
	MIN	6	4	2	-06	-07	9	28	8	-25	-23	-25	-16	12	8	11	-13	-24	-11	-31	-29	-34	-31	-20	-16	-20	-24	-23	-16	-23	-22	-10	-11.6
DUNN CENTER	MAX	31	25	15	1	25	48	54	38	-08	-04	4	28	39	29	30	22	26	35	-08	-11	-15	-05	-06	-10	-05	17	20	7	11	25	24	15.5
	MIN	8	-04	-05	-09	-02	21	26	-09	-23	-26	-24	-04	19	2	3	-12	-21	-14	-30	-24	-45	-30	-10	-20	-33	-34	-01	-15	-21	-02	-02	-11.0
DUNSEITH ST SANITARIUM	MAX	20	20	14	10	20	42	37	25	-05	-08	-03	20	37	29	20	0	7	20	-10	-17	-10	-03	-04	-07	-02	-01	16	2	-06	21	20	9.8
	MIN	11	10	9	-06	-01	15	23	-09	-19	-24	-21	-05	17	9	0	-15	-24	-11	-28	-38	-31	-23	-12	-18	-17	-28	-07	-12	-26	-07	-09	-09.6
ECKMAN	MAX	22	17	11	10	11	29	39	32	10	-13	-10	14	31	28	23	18	-08	28	4	-19	-23	-15	-07	-08	-14	-08	12	3	3	19	22	8.4
	MIN	-02	-06	1	-12	-13	8	27	9	-21	-27	-28	-23	10	3	3	-17	-27	-12	-30	-43	-43	-42	-23	-16	-26	-30	-28	-11	-30	-30	-11	-15.8
EDGELEY EXP FARM	MAX	30	25	24	20	18	40	44	44	12	2	11	34	38	31	30	12	8	20	-04	-12	-04	-05	0	-05	-02	10	16	6	11	28	22	16.3
	MIN	12	15	11	7	4	4	33	0	-13	-12	-08	5	23	10	8	-09	-18	-05	-21	-19	-26	-24	-05	-11	-18	-21	0	-11	-11	-03	3	-03.2
EDMORE 1 W	MAX	18	2	23	11	15	33	35	25	-05	-11	4	21	25	28	26	0	7	22	-12	-19	-18	-08	-04	-08	0	1	9	-03	-03	20	15	8.5
	MIN	13	11	11	-03	1	7	24	-05	-22	-26	-24	0	13	7	0	-14	-31	-12	-30	-36	-35	-25	-09	-16	-18	-30	-08	-21	-29	-03	0	-10.0
ELBOWOODS	MAX	28	16	14	3	24	42	58	29	-04	-04	6	30	36	30	25	14	29	30	-11	-14	-14		-05	-08	-04	16	13	4	10	25	22	14.7
	MIN	0	-06	-04	-09	-06	13	8	-06	-20	-24	-24	-06	-03	1	8	-15	-26	-16	-28	-25	-43		-32	-24	-20	-32	-25	-12	-28	-11	-03	-13.9
ELLENDALE NORMAL SCH	MAX	31	26	23	17	19	41	45	36	4	-02	9	30	40	36	27	13	5	8	2	-08	-11	-04	0	-04	0	4	16	10	4	29	21	15.1
	MIN	14	18	14	7	5	15	35	4	-12	-11	-09	-03	8	9	13	-06	-19	2	-21	-19	-23	-21	-05	-11	-17	-24	-05	-10	-20	-05	6	-02.9
EPPING	MAX	20	15	-02	-01	28	42	44	25	10	-03	0	24	32	30	20	6	28	26	-16	-16	-11	-04	-05	-15	-08	13	13	-01	12	22	17	11.1
	MIN	6	-02	-13	-15	-03	20	11	-11	-25	-21	-16	-01	18	11	0	-16	-11	-21	-26	-30	-31	-22	-17	-25	-29	-22	-03	-16	-22	9	-02	-10.5
FARGO WB AIRPORT	MAX	24	25	27	30	18	38	40	27	-02	-03	12	26	34	32	32	0	11	16	-15	-04	-08	5	5	-03	0	-02	9	-02	1	27	16	13.4
	MIN	12	21	20	11	6	8	22	-05	-15	-17	-15	3	10	3	0	-18	-21	-15	-23	-20	-25	-24	-03	-16	-17	-22	-08	-18	-24	0	-04	-06.3
FESSENDEN	MAX	28	22	21	16	9	38	40	28	7	-09	8	27	31	30	25	16	0	25	-12	-13	-11	-05	-05	-09	-07	5	12	0	4	24	15	11.5
	MIN	8	7	9	-01	4	-01	26	5	-20	-20	-19	3	20	6	3	-15	-21	-12	-28	-25	-31	-22	-18	-16	-20	-21	0	-22	-09	-02	-06	-07.7
FORMAN	MAX	24	24	26	25	19	40	45	35	8	11	10	25	42	38	32	5	18	15	8	-07	-08	-04	10	0	2	5	15	5	2	28	25	16.8
	MIN	9	19	21	12	1	15	31	2	-10	-03	-06	2	15	9	5	-07	-19	5	-21	-19	-27	-22	-05	-11	-18	-24	-02	-12	-23	-01	10	-02.4
FORT YATES	MAX	29	23	15	10	21	46	48	40	0	-03	23	35	40	31	25	10	12	12	-06	-10	-11	-01	-01	-09	-05	6	15	5	16	30	24	15.1
	MIN	4	0	4	2	0	21	36	0	-12	-10	-14	7	18	7	04	-07	-20	-06	-22	-15	-34	-18	-06	-15	-19	-23	-05	-09	-18	8	6	4.4
FOXHOLM WILDLIFE REF	MAX	23	15	10	0	18	39	42	25	-06	-07	5	26	34	29	25	6	27	30	-15	-21	-12	-08	-08	-09	-06	13	20	0	12	24	19	11.3
	MIN	2	-05	-01	-13	-02	15	24	-08	-19	-21	-22	3	23	10	6	-14	-20	-16	-25	-35	-38	-23	-12	-21	-24	-24	-03	-19	-16	11	-07	-09.5
FULLERTON	MAX	31	26	24	24	22	41	44	36	4	1	10	32	39	35	30	20	10	21	-01	-11	-06	-03	0	-02	1	5	17	1	6	30	26	16.5
	MIN	14	23	14	9	5	15	35	4	-11	-11	-04	1	14	12	16	-07	-16	-02	-21	-18	-27	-20	-04	-10	-10	-23	-05	-10	-20	-01	6	-01.7
GACKLE	MAX			27	20	17	38	44	34	-07	-01	10	31	34	33	28	8	10	20	-04	-13	-10	-05	-04	-07	-05	7	13	5	1	25	22	12.8
	MIN			9	5	0	7	31	-09	-16	-16	-11	1	21	9	8	-10	-19	-18	-25	-20	-27	-20	-10	-15	-21	-19	-04	-13	-22	-01	-07	-07.3

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5–Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX	19	12	5	2	25	39	40	23	-11	-04	3	20	32	23	18	0	24	23	-11	-15	-15	-04	-06	-09	-04	12	12	2	16	25	9	9.8
	MIN	6	-03	-02	-06	2	19	23	-11	-22	-17	-20	2	18	7	0	-19	-22	-22	-27	-27	-34	-20	-10	-17	-23	-25	-06	-14	-20	9	-10	-09.4
GRAFTON STATE SCHOOL	MAX	20	25	27	11	14	40	39	28	1	-07	8	27	34	27	29	6	-01	24	-07	-16	-07	-05	0	-03	-03	-01	11	1	0	24	19	11.8
	MIN	7	14	9	-01	2	10	26	-03	-17	-21	-23	0	17	12	4	-15	-31	-10	-26	-33	-29	-25	-09	-15	-15	-27	-10	-14	-25	-02	3	-08.0
GRAND FORKS CAA	MAX	22	25	27	11	16	38	36	24	-04	-05	12	27	29	28	32	-01	10	19	-18	-10	-14	0	2	-05	-05	-02	10	-04	4	23	14	11.0
	MIN	8	18	9	4	5	7	21	-05	-21	-21	-21	1	9	18	-02	-25	-27	-18	-26	-24	-28	-24	-07	-14	-21	-25	-09	-22	-25	2	-04	- 8.6
GRAND FORKS UNIVERSITY	MAX	18	26	27	12	15	37	36	23	-04	-05	12	39	30	27	32	-02	8	19	-15	-10	-13	0	2	-06	-04	-02	11	-03	3	10	25	11.2
	MIN	7	15	10	4	5	9	22	-04	-19	-21	-20	2	8	15	-03	-21	-27	-15	-26	-25	-29	-21	-06	-14	-18	-25	-08	-18	-25	-23	8	-08.5
GRANVILLE	MAX	24	11	10	5	15	38	37	25	-07	-09	8	27	29	26	23	3	25	27	-16	-20	-13	-07	-05	-09	-03		9	0	5	24	19	10.0
	MIN	7	-08	2	-10	-03	14	24	-08	-23	-25	-25	0	18	3	1	-17	-25	-20	-30	-38	-38	-34	-24	-18	-20		-04	-15	-25	5	-10	-11.5
GRENORA	MAX	28	30	5	-03	25	39	40	17	-10	-02	1	22	27	31	23	21	32	28	-20	-04	-10	-05	-04	-12	-10	15	15	15	12	25	30	12.9
	MIN	10	-09	-16	-19	-05	20	17	-10	-23	-23	-17	-02	20	15	8	-13	-08	-26	-24	-32	-30	-17	-27	-25	-19	-17	-02	-04	-20	12	-28	-10.1
HANKINSON R R STATION	MAX	19	24	28	24	27	39		44	22	-04	14	12	35	39	32	28	-02	21	17	-12	-03	-11	4	5	-05	2	5	15	3	12	29	15.4
	MIN	5	14	18	20	4	20		22	-10	-10	-16	-02	10	4	-06	-03	-18	-17	-19	-22	-21	-25	-15	-07	-18	-18	-19	-10	-19	-20	8	-05.7
HANNAH	MAX	21	23	21	6	32	37	32	26	2	-08	4	21	30	28	22	18	20	12	-14	-20	-16	-05	-09	-12	-18	-12	4	-05	-04	18	14	8.6
	MIN	10	10	5	-06	-05	10	14	2	-20	-28	-27	-04	-01	12	-03	-18	-13	-14	-31	-41	-36	-27	-14	-22	-31	-26	-20	-25	-28	-05	-01	-12.4
HANSBORO	MAX	19	22	19		17	42	36	22	-05	-02	5	27	30	29	22		14	24	-18	-20	-09	-07	-09	-10	-03	-02	15	-05	-01	19	16	9.9
	MIN	5	8	4		-05	14	19	-08	-19	-24	-23	0	18	7	-07		-25	-20	-34	-40	-36	-27	-14	-20	-23	-31	-08	-15	-27	-04	-08	-11.8
HETTINGER	MAX	35	28	10		23	40	47	43	-02	0	6	33	33	34	32	14	15	16	-03	-13	-08	-09	-06	-11	0	20	16	3	10	27	24	15.2
	MIN	2	3	-10	-09	-10	19	34	-04	-16	-12	-16	3	3	1	12	-10	-04	-05	-25	-20	-36	-22	-13	-23	-28	-25	0	-10	-20	5	-02	-07.7
HILLSBORO	MAX	23	24	27	15	16	40	41	28	-01	2	12	30	35	25	31	5	4	18	-14	-09	-08	1	4	-02	0	1	14	-01	3	31	21	13.4
	MIN	7	15	15	7	6	11	28	-02	-13	-22	-18	5	16	9	5	-14	-23	-14	-23	-22	-24	-23	-02	-12	-13	-25	-19	-13	-25	0	3	-05.8
JAMESTOWN CAA	MAX	29	25	25	11	21	40	44	26	-04	0	12	33	36	30	24	0	18	21	-15	-12	-07	-03	-01	-08	2	9	14	1	7	27	17	13.6
	MIN	12	16	11	6	3	20	26	-09	-14	-15	-13	6	15	7	0	-16	-20	-15	-22	-19	-26	-15	-10	-17	-18	-23	-06	-15	-20	7	-04	- 5.4
JAMESTOWN STATE HOSP	MAX	28	25	25	18	18	41	44	27	-01	-01	13	33	36	30	26	5	12	21	-08	-07	-10	-03	-02	-05	-03	11	15	4	5	28	20	14.4
	MIN	13	16	11	6	3	18	27	-01	-12	-15	-13	6	23	9	5	-10	-19	-08	-18	-19	-25	-18	-06	-14	-16	-23	-02	-10	-20	3	3	- 3.4
KENMARE	MAX	25	27	12	12	5	29	40	38	8	-09	-01	18	34	34	31	26	-05	31	-04	-11	-20	-08	-08	-07	-11	-03	20	5	7	23	27	11.8
	MIN	12	-03	-10	-18	-17	4	28	7	-20	-22	-22	-10	13	14	12	-15	-12	-05	-26	-33	-34	-30	-20	-22	-24	-19	-08	-12	-18	-15	-05	-10.6
KENSAL WILDLIFE REFUGE	MAX	24	22	20	17	13	38	37	29	-03	-06	12	29	32	27	29	1	14	9	-06	-07	-08	-03	-04	-04	-08	8	5	4	6	27	12	11.8
	MIN	10	9	9	2	0	10	26	-03	-16	-19	-20	3	22	3	1	-11	-26	-06	-29	-20	-31	-23	-08	-17	-19	-26	-03	-16	-23	2	-02	-07.1
LA MOURE	MAX	32	25	25	20	18	42	49	29	0	2	12	35	38	33	30	7	11	20	-05	-11	-04	-04	0	-02	0	5	15	2	6	32	25	15.7
	MIN	12	18	9	11	4	14	29	-01	-12	-12	-05	2	15	10	5	-08	-19	-17	-23	-19	-29	-22	-05	-14	-20	-27	-05	-12	-21	-02	5	- 4.5
LANGDON EXP FARM	MAX	18	22	20	3	13	39	37	24	-07	-10	0	19	30	28	23	-03	6	21	17	-18	-12	-06	-03	-10	-02	-04	12	-05	-04	18	14	7.9
	MIN	12	13	2	-05	-02	3	20	-07	-21	-26	-23	-02	15	11	-03	-17	-27	-17	-35	-39	-34	-25	-12	-20	-22	-26	-07	-25	-28	-05	-01	-11.4
LARIMORE	MAX	20	23	25	10	15	38	38	27	14	-03	10	26	31	27	29	2	10	22	-14	-15	-10	-08	-02	-06	-02	3	11	-04	3	23	15	11.5
	MIN	10	16	9	-01	3	7	24	13	-17	-18	-17	5	15	15	0	-15	-24	-15	-26	-25	-27	-23	-09	-16	-15	-23	-06	-16	-24	2	-02	-06.5
LEEDS	MAX	23	25	20	9	16	37	36	25	-04	-17	0	23	29	28	18	2	15	23	-12	-12	-06	-05	-05	-08	-05	3	10	1	2	21	20	10.1
	MIN	12	8	8	-03	-01	3	25	-04	-22	-25	-22	0	18	10	2	-14	-25	-12	-31	-35	-34	-25	-09	-24	-29	-27	-08	-18	-26	-01	-02	-10.0
LINTON	MAX	25	24	18	9	20	42	52	36	0	-04	10	32	40	32	26	12	11	9	-10	-04	-10	-04	-02	-08	0	5	16	2	5	31		13.8
	MIN	9	5	7	3	3	10	32	0	-14	-14	-10	-09	10	5	10	-06	-23	-10	-25	-16	-34	-22	-08	-15	-19	-25	-05	-11	-22	-04		-06.6
LISBON	MAX	22	24	26	22	17	41	41	29	12	1	11	28	38	31	29	7	17	18	0	-05	-06	1	2	1	2	5	15	7	-02	32	26	15.9
	MIN	11	18	20	9	5	11	27	-02	-10	-12	-06	2	13	3	6	-09	-21	-19	-21	-19	-24	-26	-04	-14	-20	-27	-01	-12	-22	-01	6	-04.5
MADDOCK AGR SCHOOL	MAX	22	25	20	10	13	37	39	25	0	-10	5	23	28	27	24	4	10	23	-09	-17	-13	-06	-05	-06	-05	2	10	-01	1	21	16	10.1
	MIN	13	8	9	02	0	12	25	-02	-23	-23	-24	0	18	5	4	-15	-30	-11	-32	-28	-35	-24	-09	-14	-21	-31	-05	-18	-24	-02	-10	-09.3
MANDAN EXP STATION	MAX	27	25	17	6	11	32	43	47	13	-10	-01	16	33	37	31	21	-04	27	2	-13	-15	-12	-06	-06	-11	-04	16	12	1	21	26	12.3
	MIN	0	0	2	-02	-01	11	32	13	-14	-14	-15	-01	-15	9	11	-05	-21	-08	-22	-20	-33	-30	-16	-15	-18	-24	-19	-11	-19	-16	3	-07.4
MANDAN FT LINCOLN PARK	MAX	27	18	12	6	22	42	49	42	18	8	3	37	40	33	26	11	13	28	13	3	-04	-05	-04	-08	4	6	16	4	3	29	23	18.6
	MIN	6	0	3	-03	-02	20	32	-03	-15	-15	-16	2	20	7	11	-10	-22	-09	-24	-19	-33	-20	-09	-16	-20	-26	-03	-11	-19	3	1	-06.1
MARMARTH	MAX	30	15	3	1	25	42	45	36	-07	-03	10	31	30	28	25	15	25	24	-02	-04	-02	-02	-06	-11	-10	25	15	2	17	26	21	14.3
	MIN	1	1	-08	-08	0	0	35	-07	-21	-13	-16	-09	2	-03	15	-12	-10	-20	-27	-26	-43	-24	-11	-23	-43	-26	-08	-13	-33	16	1	-10.7
MAX	MAX		24	10	6	9	29	39	40	10	-10	-06	9	30	29		24	-02	26	2	-17	-17	-18	-05	-09	-10	-05	14	10	1	18	26	8.9
	MIN	7	-02	0	-09	-05	7	21	10	-23	-23	-21	-15	-06	10		-14	-21	-14	-23	-27	-32	-33	-20	-16	-15	-24	-24	-14	-23	-24	-08	-12.7
MAYVILLE	MAX	23	24	26	26	16	39	42	26	-02	-02	16	34	33	24	30	6	5	2	-08	-12	-12	-07	-01	-03	-01	5	10	5	4	27	22	12.8
	MIN	-01	12	16	4	6	15	26	-02	-13	-18	-16	6	24	10	6	-12	-24	-08	-25	-22	-26	-22	-08	-12	-14	-21	-02	-22	-23	2	1	-05.3
MC CLUSKY	MAX	24	22	20	9	11	32	37	38	5	-07	-02	16	30	30	27	17	-02	26	-03	-15	-16	-10	-06	-07	-09	-03	13	6	0	23	22	10.6
	MIN	9	6	4	-07	-06	10	31	4	-22	-19	-18	-02	13	8	14	-12	-22	-13	-25	-24	-31	-26	-15	-18	-16	-23	-12	-12	-23	-15	-07	8.7
MC HENRY 6 N	MAX	20	23	24	13	15	37	38	24	-06	-09	6	22	27	28	25	-01	9	22	-08	-16	-16	-08	-03	-06	-06	4	8	-02	0	22	16	9.7
	MIN	10	11	13	0	1	7	24	-06	-20	-23	-22	0	17	10	-01	-15	-25	-08	-28	-25	-30	-24	-10	-18	-15	-27	-07	-18	-26	-02	-05	- 8.5
MC LEOD 3 E	MAX	22	25	27	26	23	40	38	25	18	0	10	25	40	31	21	10	10	15	0	-08	-05	6	5	0	2	2	5	10	2	29	26	15.5
	MIN	7	14	12	12	5	15	14	12	-10	-15	-07	2	17	8	-04	-10	-23	0	-26	-20	-23	-25	-16	-12	-20	-26	-08	-13	-23	-05	-05	-05.6
MEDORA STATE PARK	MAX	22	17	3	3	17	44	50	37	-14	-03	13	34	40	29	18	-03	30	26	-10	-16	-12	-04	-04	-10	-14	24	16	0	24	26	22	13.1
	MIN	-17	-05	-08	-12	2	4	37	-10	-20	-16	-12	-02	24	3	10	-10	-22	-10	-28	-30	-45	-20	-18	-22	-43	-26	0	-14	-26	18	-04	-10.4
MEDORA T R N M P	MAX	30	26	18	4	28	44	48	32	-07	-04	10	36	42	35	27	13	30	28	-05	-10	-08	-01	-01	-08	-12	24	23	6	21	28	25	16.8
	MIN	-04	-01	-08	-11	-02	15	32	-08	-23	-16	-24	-11	14	-03	12	-10	-25	-08	-30	-24	-46	-18	-12	-20	-42	-32	-07	-15	-31	17	3	-10.9
MINOT CAA	MAX	24	10	5	3	28	41	45	18	-11	-07	10	28	31	28	22	0	29	16	-18	-22	13	-09	-08	-11	-04	-01	17	0	19	26	13	10.8
	MIN	5	0	-06	-09	3	23	18	-11	-19	-20	-15	7	15	13	-02	-16	-13	-22	-27	-32	-31	-18	-11	-19	-19	-18	-08	-15	-18	12	-15	-08.6
MINOT EXP FARM	MAX	25	14	8	1	19	38	41	23	-09	-11	2	25	31	26	25	4	26	28	8	-14	-13	-11	-08	-10	-05	5	15	0	7	24	20	10.8
	MIN	8	-01	-01	-10	0	19	23	-10	-20	-21	-18	0	23	11	4	-13	-17	-18	-24	-32	-33	-21	-15	-19	-20	-20	0	-11	-20	6	-07	-08.3
MOHALL	MAX	17	11	8	1	20	39	36	16	-09	-07	9	26	30	23	24	6	29	22	-13	-21	-20	-09	-09	-10	-08	15	15	-04	15	19	14	9.2
	MIN	3	-06	-06	-15	1	14	16	-11	-21	-26	-26	5	18	4	-03	-22	-19	-17	-28	-39	-36	-24	-11	-21	-24	-26	-10	-16	-20	11	-12	-11.8
MOTT RR STATION	MAX	30	27	10	11	23	36	46	39	-03	0	8	30	34	34	27	10	24	21	-06	-16	-12	-10	-07	-10	-06	18	18	4	10	24	20	14.0
	MIN	3	0	-05	-05	-01	20	33	-05	-18	-12	-11	1	17	0	10	-11	-17	-11	-25	-21	-39	-24	-14	-25	-30	-28	0	-18	-23	4	0	-08.2
MUNICH 4 SW	MAX	18	21	21	21	12	32	31	30	20	-06	1	19	28	25	20	20	9	22	9	-15	-16	-04	-07	-11	-08	-05	8	-05	-03	19	20	10.5
	MIN	4	8	6	-05	-03	-01	10	-06	-20	-28	-25	-01	15	10	-01	-16	-29	-15	-31	-34	-34	-24	-20	-18	-21	-28	-13	-18	-29	-13	-03	-12.4
NAPOLEON 2 SE	MAX	22	26	20	14	18	38	40	31	-03	-02	7	26	34	31	26	6	9	12	-12	-14	-13	-04	-04	-07	-08	3	12	0	0	24	20	11.4
	MIN	10	9	5	1	0	16	30	-04	-19	-19	-13	-03	19	6	5	-12	-22	-14	-28	-20	-32	-23	-09	-19	-24	-23	-03	-16	-24	-03	-02	-07.5
NEW ENGLAND	MAX	33	36	14	6	24	47	49	42	3	0	11	35	38	35	35	22	27	29	4	-08	-19	-12	-07	-02	-01	25	26	9	12	26	32	18.4
	MIN	4	3	-07	-09	-03	19	36	-05	-21	-12	-15	-01	18	0	14	-12	-16	-07	-22	-21	-37	-24	-14	-25	-36	-26	0	-11	-22	6	2	-07.9

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW SALEM 1 S	MAX	31	27	10	5	22	40	46	30	-08	-01	22	34	39	33	22	5	27	27	-10	-16	-10	-09	-09	-10	-07	-03	10	9	8	27	22	13.3
	MIN	8	0	-02	-06	1	13	26	-10	-20	-14	-10	5	10	15	3	-13	-13	-18	-25	-21	-29	-23	-14	-22	-18	-20	-15	-15	-21	5	7	-07.5
OAKES WATER WORKS	MAX	35	34	25	25	15	27	42	48	20	0	1	10	27	39	37	26	-03	18	11	-09	-10	-04	-02	3	-05	3	7	17	3	11	29	15.5
	MIN	-01	21	18	11	5	5	25	20	-10	-09	-09	-01	2	9	9	-06	-18	-16	-20	-20	-25	-25	-10	-11	-19	-29	-27	-11	-20	-21	10	- 5.6
PARK RIVER	MAX	21	24	22	10		40	37	28	16	-05	8	24	32	29	27	33	4	24	-09	-20	-09	-09	-03	-07	0	1	11	1	1	22	17	12.3
	MIN	5	11	10	-02		13	27	16	-14	-19	-17	6	21	15	3	-12	-25	-09	-25	-31	-28	-21	-09	-13	-13	-19	-06	-12	-22	0	4	-05.5
PARSHALL	MAX	24	16	8	0	21	38	43	23	-10	-04	4	27	33	30	25	4	27	27	-15	-16	-17	-08	-08	-12	-06	8	15	0	9	23	22	10.7
	MIN	0	-04	-01	-08	0	18	23	-10	-22	-20	-20	1	20	5	4	-13	-23	-18	-26	-30	-32	-20	-18	-18	-21	-26	-05	-12	-27	9	-04	-09.6
PEMBINA CAA	MAX	24	25	25	8	15	41	33	21	-05	-06	8	26	26	27	28	-01	12	20	-20	-09	-15	-05	-01	-09	-08	-01	6	-06	8	16	15	9.6
	MIN	12	18	8	1	2	6	20	-05	-16	-21	-20	-02	18	20	-03	-23	-27	-20	-29	-36	-31	-21	-09	-19	-21	-27	-12	-19	-25	3	0	-09.0
PETTIBONE	MAX	22	26	22	13	15	40	44	30	-05	1	8	32	34	34	27	9	14	20	-08	-12	-08	-04	-04	-09	-03	4	10	0	1	28	22	13.0
	MIN	10	9	8	3	0	15	27	-05	-17	-18	-16	-01	15	3	9	-10	-23	-08	-26	-21	-31	-23	-09	-16	-16	-22	-05	-16	-24	-02	-02	-06.8
PORTAL	MAX	24	19	9	4	8	29	38	29	4	-17	-05	14	29	26	29	17	10	30	-10	-20	-20	-10	-09	-18	-05	15	1	-02	20	20	20	9.0
	MIN	11	5	-05	-23	-23	5	28	3	-23	-26	-21	-12	12	11	11	-19	-20	-10	-32	-45	-38	-28	-30	-30	-20	-06	-14	-23	-16	-19	-09	-13.1
POWERS LAKE	MAX	23	14	10	10	38	40	26	15	-11	-10	3	23	28	29	23	8	28	30	-17	-21	-21	-08	-08	-14	-06	10	8	10	13	22	17	10.1
	MIN	-02	-06	-16	-22	10	22	-10	-26	-26	-28	-18	-02	18	8	2	-16	-16	-20	-28	-35	-33	-21	-16	-26	-29	-23	0	-16	-23	10	-10	-12.8
RICHARDTON ABBEY	MAX	26	26	9	-01	25	50	49	29	-05	-03	6	32	34	30	27	12	24	25	-05	-15	-15	-12	-09	-11	-06	19	17	2	9	25	21	13.4
	MIN	5	5	-06	-09	-02	20	28	-05	-19	-15	-15	0	23	23	11	-11	-15	-06	-25	-22	-31	-21	-15	-21	-25	-22	-01	-13	-18	7	4	-06.2
RIVERDALE	MAX	24	16	10	3	20	41	41	32	15	-06	14	29	34	28	24	11	23	27	-13	-17	-15	-09	-08	-09	-01	8	15	1	6	24	21	12.5
	MIN	9	-02	0	-07	-03	17	24	-06	-21	-18	-16	-01	19	10	9	-13	-12	-14	-26	-24	-30	-21	-14	-18	-20	-24	-02	-12	-20	5	-01	-07.5
ROLLA	MAX	19	21	15	5	22	47	32	21	-04	-04	0	28	33	28	20	-03	15	15	-15	-21	-13	-08	-10	-10	-01	2	14	-03	-04	23	17	9.1
	MIN	8	8	5	-06	-01	17	19	-09	-16	-20	-21	0	19	9	-04	-16	-23	-16	-30	-39	-35	-23	-13	-18	-18	-23	-07	-16	-25	-05	-05	-09.8
RUGBY 1 N	MAX	20	20	20	13	12	37	35	26	-05	-12	0	20	26	24	22	4	14	27	11	-18	-16	-09	-06	-05	-10	1	10	0	1	20	18	9.7
	MIN	15	7	6	-03	3	10	26	-06	-25	-29	-28	-06	13	5	4	-21	-27	-15	-35	-37	-37	-27	-11	-18	-23	-28	-11	-16	-29	0	-10	-11.4
SANISH	MAX	23	20	12	-02	9	32	45	45	12	-10	-12	12	31	32	30	27	-02	30	0	-12	-17	-12	0	-06	-15	-10	15	14	3	22	25	11.0
	MIN	5	-04	-03	-12	-08	9	31	12	-21	-21	-22	-20	2	19	8	-12	-19	-10	-25	-29	-35	-36	-17	-18	-21	-26	-23	-12	-19	-23	-04	-11.4
SHARON	MAX	20	23	24	10	16	38	38	24	-05	-03	8	26	30	28	24	2	10	20	-10	-23	-28	-10	-02	-07	-02	4	11	-04	2	22	20	9.9
	MIN	10	14	10	2	4	10	22	-05	-18	-20	-17	3	18	10	2	-15	-24	-10	-27	-19	-15	-22	-12	-16	-17	-23	-07	-17	-26	0	0	-06.6
STANLEY	MAX	23	10	-01	4	18	38	37	10	-12	-06	4	25	31	25	18	0	28	27	-19	-18	-19	-07	-10	-10	-08	14	17	-02	11	22	11	8.4
	MIN	3	-06	-12	-18	-01	14	-15	-16	-25	-21	-21	0	13	1	-03	-18	-19	-24	-34	-37	-34	-28	-16	-26	-27	-27	-06	-17	-23	7	-19	-14.7
STEELE	MAX	26	26	21	16	17	39	48	31	-02	0	7	25	36	33	31	5	8	19	-12	-14	-12	-05	-05	-08	-04	-02	14	-01	0	27	21	12.4
	MIN	7	7	5	1	1	17	31	-02	-17	-17	-18	-01	17	12	5	-10	-26	-12	-27	-26	-33	-23	-09	-17	-19	-26	-05	-14	-25	-01	-03	-07.4
TOWNER	MAX	16	14	20	20	11	40	36	25	-07	-12	4	13	29	27	22	2	28	29	-06	-20	-17	-06	-05	-06	-05	4	12	-01	10	23	22	10.4
	MIN	1	3	4	-02	-09	9	21	-10	-25	-32	-27	-01	4	-01	-02	-22	-25	-15	-32	-43	-38	-26	-08	-17	-22	-28	-22	-17	-27	9	-17	-13.5
TURTLE LAKE	MAX	23	17	10	4	20	38	40	26	-06	-07	4	25	32	28	23	9	11	27	-13	-17	-15	-09	-07	-09	-05	5	15	0	3	24	18	10.2
	MIN	8	0	3	-07	-05	15	25	-06	-25	-22	-20	-03	21	4	8	-12	-20	-14	-29	-25	-36	-22	-13	-18	-18	-23	-02	-17	-22	0	-07	-09.1
UNDERWOOD 12 W	MAX	22	13	10	8	23	43	41	29	-04	-08	10	30	37	30	25	17	24	28	1	-10	-13	-07	-08	-08	6	5	15	2	7	26	22	13.4
	MIN	0	-09	0	-06	-01	21	25	-04	-18	-15	-26	-09	20	0	10	-10	-29	-10	-32	-23	-43	-26	-10	-18	-18	-34	-06	-09	-20	2	1	-09.6
UPHAM WILDLIFE REFUGE	MAX	20	13	12	4	15	40	34	26	-05	-13	2	27	29	23	22	5	22	28	-11	-21	-16	-06	-06	-08	-06	1	13	-01	2	23	20	9.3
	MIN	7	-01	4	-12	-05	11	24	-06	-24	-30	-31	-04	11	1	2	-21	-30	-12	-33	-45	-43	-30	-14	-18	-24	-34	-05	-18	-28	0	-12	-20.0
VALLEY CITY	MAX	24	24	26	23	17	41	43	40	0	0	14	35	36	31	30	16	12	18	6	-06	-07	-02	2	0	0	6	15	8	5	30	26	16.5
	MIN	13	18	20	4	5	15	33	-02	-11	-15	-11	5	24	8	15	-12	-19	-03	-23	-19	-22	-21	-05	-14	-16	-23	-02	-15	-20	0	5	-02.8
VAN HOOK	MAX	29	12	7	3	22	40	44	25	-09	-05	4	29	32	28	25	5	29	29	-14	-15	-17	-05	-05	-08	-04	2	16	2	10	24	22	11.5
	MIN	1	-02	-03	-09	1	18	25	-10	-22	-18	-22	2	21	4	4	-12	-19	-15	-25	-30	-37	-22	-10	-19	-23	-27	-14	-24	-22	9	-04	-09.8
VELVA	MAX	28	20	12	4	21	39	40	26	-08	-07	6	28	33	28	24	1	24	29	-16	-20	-13	-09	-06	-08	-03	9	16	1	10	25	21	11.5
	MIN	7	2	3	-08	-01	19	26	-08	-20	-26	-26	2	19	8	0	-12	-27	-16	-25	-33	-38	-21	-10	-16	-19	-30	-01	-12	-20	10	-07	-09.0
WAHPETON STATE SCHOOL	MAX	23	25	31	34	34	40	42	34	6	-03	10	26	38	31	32	10	5	17	-01	-03	-04	2	7	4	0	1	12	4	2	27	27	16.5
	MIN	10	19	20	26	5	13	32	5	-11	-14	-08	2	16	8	9	-11	-21	-01	-23	-19	-24	-24	0	-10	-17	-24	-08	-12	-24	-03	9	-02.6
WASHBURN	MAX	26	19	13	5	22	40	42	27	-04	-05	8	31	35	32	28	9	20	27	-13	-15	-09	-07	-05	-07	-03	8	14	3	5	27	22	12.7
	MIN	10	1	3	-05	-01	22	26	-05	-18	-17	-15	2	21	12	8	-14	-18	-14	-27	-21	-34	-19	-10	-18	-17	-20	-02	-13	-20	4	1	-06.4
WATFORD CITY	MAX	26	18	2	2	25	41	40	27	-08	-02	4	30	38	38	27	5	29	27	-09	-12	-12	-01	-04	-11	-05	18	15	2	15	24	20	13.2
	MIN	6	1	-07	-14	-08	21	26	-09	-21	-16	-16	-01	23	15	4	-13	-10	-15	-23	-26	-34	-17	-14	-18	-25	-22	-01	-14	-21	12	2	-07.6
WESTHOPE	MAX	21	13	13	20	21	37	33	22	-08	-10	6	27	28	23	23	0	29	27	-13	-24	-21	-05	-08	-08	-06	-03	10	-01	6	22	11	9.2
	MIN	8	-02	-02	-15	0	17	20	-09	-24	-29	-17	2	16	8	0	-17	-27	-13	-31	-42	-36	-25	-11	-18	-25	-29	-16	-18	-28	6	-12	-12.3
WILLISTON WB CITY	MAX	20	15	-02	-01	28	42	46	17	-08	-03	5	27	33	31	25	3	31	10	-14	-13	-11	-02	-10	-13	-09	15	16	2	24	24	11	10.9
	MIN	6	-02	-13	-15	-03	24	17	-10	-20	-18	-15	4	18	11	-03	-10	-05	-22	-23	-28	-31	-16	-16	-21	-28	-21	-05	-11	-19	11	-16	- 9.0
WILLOW CITY	MAX	23	19	18	11	15	39	40	24	-09	-10	5	24	26	21	23	1	28	28	16	-20	-20	-05	-05	-05	-06	1	7	-01	5	22	17	10.7
	MIN	10	1	8	-02	3	13	23	-10	-24	-33	-33	-02	10	0	0	-22	-37	-20	-38	-44	-40	-28	-09	-17	-30	-37	-10	-21	-30	5	-12	-13.7
WILTON RR STATION	MAX	24	25	18	6	8	27	44	43	11	-10	-04	15	30	34	27	18	9	26	1	-15	-15	-12	-08	-06	-12	-05	15	10	1	20	26	11.4
	MIN	1	4	0	-07	-07	7	26	11	-20	-19	-15	-12	12	7	8	-09	-24	-18	-27	-25	-29	-31	-22	-16	-20	-25	-23	-14	-19	-21	-01	-10.6
WISHEK	MAX	30	28	25	24	11	24	38	46	18	-09	2	10	28	37	31		23	19	6	-11	-11	-06	-06	-02	-10	-06	14	19	12	12	26	14.1
	MIN	-04	3	7	7	2	6	24	17	-17	-17	-15	-02	8	8	8		-21	-17	-26	-24	-30	-29	-11	-13	-20	-26	-08	-12	-21	-20	2	-08.1

See reference notes following Station Index.

STATION INDEX

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION			YEARS OF RECORD			OBSERVER	REFER TO TABLES
							ZONE	TEMP.	PRECIP.	TEMP.	PRECIP.	EVAP.		
ADAMS 7 S	0022	WALSH	RED	48 20	98 06		CST		7A				MYRA J BDTA	3
ALEXANDER RR STATION	0096	MC KENZIE	YELLDWSTONE	47 50	103 38	1200	MST		8A		8		ARTRUR J BAUMAN	3
ALMONT 7 W	0136	MDRTDN	REART	46 43	101 39	2300	MST	7P	7P	6	6		HDGAN RAMSLAND	2 3 5
ALPRA 1 S	0149	GOLDEN VALLEY	LIT MISSDURI	46 37	103 49		MST		7P		23		H A BURY	3
AMIDON	0209	SLDPF	CANNONBALL	46 29	103 19	2908	MST	5P	5P	27	27		STANLEY W BALE	2 3 5
ARVILLA STATE PARK	0369	GRAND FORKS	RED	47 56	97 30	960	CST	6P	6P	5	5		ALBERT THOREN	2 3 5
ASRLEY	0382	MC INTOSR	MISSDURI	46 02	99 22	2025	CST	8A	8A	53	53		W E DREY	2 3 4 5
BALDRILL DAM	0450	BARNES	SHEYENNE	47 02	98 05	1300	CST	8A	8A	1	1		F A JDHNSDN	2 3 5
BALFDUR RR STATIDN	0492	MC HENRY	SOURIS	47 57	100 32		CST		MID		8		C G THOMSDN	3 4
BELCOURT INDIAN RES	0626	RDLETTE	PEMBINA	48 50	99 45	1960	CST	7P	7P	4	4		TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	HEART	46 52	103 11	2592	MST	7P	7P	31	31		CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	KNIFE	47 16	101 47	1780	MST		7P		34		KNIFE RIVER COAL MNG	3
BISBEE	0796	TOWNER	DEVILS LAKE	48 37	99 22	1601	CST	6P	6P	46	46		RDBERT L PETERSON	2 3 5
BISMARCK WB CITY	0814	BURLEIGR	MISSDURI	46 48	100 48	1670	CST	10A	10A	74	74		U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	MISSOURI	46 46	100 45	1650	CST	M1D	MID	9	9		U S WEATHER BUREAU	2 3 4 5
BOTTINEAU	0941	BOTTINEAU	SDURIS	48 50	100 27	1638	CST	4P	4P	57	57		N D SCHOOL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BDTTINEAU	SOURIS	48 56	100 22	2160	CST	6P	6P	5	5		PARK SUPT	2 3 5
BDWBELLS RR STATION	0961	BURKE	SDURIS	48 48	102 15	1958	CST	8A	8A	23	23		CHARLES KAUFMAN	2 3 5
BDWMAN COURT RDUSE	0995	BOWMAN	GRAND	46 11	103 23	2872	MST	5P	5P	34	34		D B HDDK	2 3 4 5
BREIEN	1052	NDRTON	CANNDNBALL	46 23	100 57	1719	CST		8A				MELVIN NELSON	2 3
BUTTE	1225	MC LEAN	SOURIS	47 50	10D 40	174D	CST	6P	6P	24	24		M O ANDERSON	2 3 5
CARRINGTON	1360	FOSTER	JAMES	47 27	99 08	1579	CST	7A	7A	51	51		SDO LINE AGENT	2 3 5
CARSDN 2 SW	1370	GRANT	REART	46 23	101 35	2500	MST	7P	7P	37	37		J W EVENS	2 3 5
CASSELTON	1400	CASS	RED	46 54	97 13	934	CST	5P	5P	53	53		WALLACE G SWEENEY	2 3 5
CAVALIER POWER PLANT	1435	PEMBINA	PEMBINA	48 48	97 38	894	CST	5P	5P	13	41		CITY LIGHT & POWER	2 3 5
CENTER	1456	DLIVER	MISSDURI	47 07	101 18	2100	MST	7P	7P	11	11		FRED L HEINZ	2 3 5
COGSWELL 6 W	1525	SARGENT	JAMES	46 07	97 55	1291	CST		7A		4		JDHN WASDAHL	3
COLGATE	1686	STEELE	RED	47 14	97 39	1180	CST		6P		15		O M JENSEN	3
COOPERSTOWN	1766	GRIGGS	SHEYENNE	47 26	98 07	1428	CST	5P	5P	52	52		R J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	JAMES	47 13	98 34	1523	CST		6P		15		G H HANAWALT	3
CROSBY	1871	DIVIDE	SOURIS	48 54	103 18	1954	CST	7A	7A	42	42		VERNON V NICHOLS	2 3 5
DAWSDN	2D18	KIDDER	MISSOURI	46 52	99 45	1730	CST		MID		8		LDU1S J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	DEVILS LAKE	48 07	98 52	1471	CST	MID	MID	44	73		U S WEATHER BUREAU	2 3 4 5
DICKINSON CAA	2183	STARK	REART	46 48	102 48	2587	MST	MID	MID	8	8		CAA	2 3 4 5
DICKINSON EXP STATION	2188	STARK	REART	46 53	102 48	2460	MST	7A	7A	57	57		LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC RENRY	SOURIS	47 55	100 22	1634	CST	7A	7A	19	19		GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	KNIFE	47 21	102 37	2191	MST	6A	6A	50	50		FRANK R SOMMARS	2 3 5
DUNSEITH ST SANITARIUM	2385	RDLETTE	SDURIS	48 50	100 02	2001	CST	5P	5P	53	53		STATE TUBERCULOSIS	2 3 5
ECKMAN	2472	BDTTINEAU	SOURIS	48 39	101 03	1500	CST	7A	7A	43	43		E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	JAMES	46 2D	98 42	1568	CST	6P	6P	48	48		N D AGRI EXP	2 3 5
EDMORE 1 W	2525	RAMSEY	DEVILS LAKE	48 25	98 29	1524	CST	8P	8P	25	25		MIKE DAVIS	2 3 5
ELBDWOODS	2570	MC LEAN	MISSOURI	47 35	102 09	2082	CST	6P	6P	56	56		H W CASE	2 3 5
ELLENDALE NORMAL SCR	2605	DICKEY	JAMES	46 00	98 31	1457	CST	8P	8P	50	50		J E DEMMER	2 3 5
EPPING	2735	WILLIAMS	MISSOURI	48 18	103 21	2224	CST	6P	6P	40	40		T BEACHLER	2 3 5
FAIRFIELD 9 N	28D9	BILLINGS	LIT MISSOURI	47 19	103 12	2650	MST		6P		21		MRS EDITH LARSDN	3
FARGO WB AIRPORT	2859	CASS	RED	46 54	96 48	895	CST	MID	MID	68	68		U S WEATHER BUREAU	2 3 4 5
FESSENDEN	2949	WELLS	JAMES	47 39	99 37	1610	CST	6P	6P	37	37		JOHN V ZUBER	2 3 5
FDRMAN	3117	SARGENT	RED	46 06	97 38	1249	CST	6P	6P	57	57		ART WATERMAN	2 3 5
FDRT YATES	3207	SIDUX	MISSOURI	46 05	100 38	1670	MST	6P	6P	49	49		P J JACDBSON	2 3 5
FOXHOLM WILDLIFE REF	3217	WARD	SDURIS	48 27	101 33	1609	CST	5P	5P	24	28		U S WILDLIFE REF	2 3 5
FULLERTDN	3287	DICKEY	JAMES	46 10	98 25	1439	CST	6P	6P	51	51		F D ALIN	2 3 5
GACKLE	3309	LOGAN	JAMES	46 38	99 08	1951	CST	6P	6P	18	18		DAVID R HAMM	2 3 5
GARRISDN	3376	MC LEAN	MISSOURI	47 38	101 25	1911	CST	MID	MID	72	72		MAE N VDRACHEK	2 3 4 5
GLEN ULLIN	3496	MORTON	HEART	46 49	101 49	2090	MST		M1D		8		NICK GAUER	3 4
GOLVA	3556	GOLDEN VALLEY	LIT MISSDURI	46 44	103 59	2781	MST	7P	6A	8	8		CHESTER K PUDA	3
GRAFTDN STATE SCHOOL	3594	WALSH	RED	48 25	97 26	827	CST	5P	5P	57	57		DR J C LAMDNT	2 3 5
GRAND FORKS CAA	3616	GRAND FDRKS	RED	47 56	97 05	834	CST	MID	MID	8	8		CAA	2 3 4 5
GRAND FDRKS UNIVERSITY	3621	GRAND FORKS	RED	47 55	97 05	83D	CST	MID	7P	58	58		UNIVERSITY DF N D	2 3 5
GRANO	3676	RENVILLE	SDURIS	48 37	101 35	1625	CST		MID				ALVIN C REINKE	3 4
GRANVILLE	3686	MC RENRY	SDURIS	48 16	100 51	1504	CST	7P	7P	42	42		FRED RDBLE	2 3 5
GRENDRA	3736	WILLIAMS	MISSOURI	48 37	103 56	2114	CST	5P	5P	40	40		L D NIELSDN	2 3 5
RALLIDAY	3846	DUNN	KNIFE	47 21	102 20	2073	MST		6P		7		JDHN KISSE	3
RANKINSON RR STATION	3B08	RICRLAND	RED	46 04	96 54	1068	CST	7A	7A	20	20		SDO LINE AGENT	2 3 5
RANNAFDRD	3926	GRIGGS	SREYENNE	47 18	98 12	1428	CST		MID		8		HOMER A BENSON	3 4
RANNAR	3936	CAVALIER	PEMBINA	48 59	98 41	1568	CST	6P	6P	55	55		A E PRIOR	2 3 5
HANSBORO	3963	TOWNER	PEMBINA	48 57	99 23	1597	CST	7P	7P	41	41		W E DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	SHEYENNE	47 45	99 53	1596	CST		6P		46		H J REYNDLDS	3
HAZELTON RR STATIDN	4083	EMMDNS	MISSDURI	46 29	100 17	1978	CST		MID		8		EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAMS	GRAND	46 00	102 38	2675	MST	6P	6P	42	42		EDGAR MARTIN	2 3 5
HURDSFIELD	4343	WELLS	JAMES	47 27	99 55	1915	CST		MID		8		MRS H RUTH BUCHWITZ	3 4
JAMESTOWN CAA	4413	STUTSMAN	JAMES	46 55	98 41	1497	CST	MID	MID	8	8		CAA	2 3 4 5
JAMESTOWN STATE HOSP	4418	STUTSMAN	JAMES	46 53	98 40	1457	CST	7P	7P	57	57		N D STATE HDSPITAL	2 3 5
KENMARE	4646	WARD	SOURIS	48 40	102 05	1799	CST	MID	MID	17	17		THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	JAMES	47 15	98 52	1440	CST	7P	7P	8	8		U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BDTTINEAU	SOURIS	48 39	100 37		CST		MID		9		PAUL A KRETSCHMAR	3 4
LA MDURE	4937	LA MAURE	JAMES	46 21	98 18	1382	CST	7P	7P	2	2		ANDREW REMICK	2 3 5
LANGDDN EXP FARM	4958	CAVALIER	PEMBINA	48 45	98 21	1615	CST	5P	5P	53	53		V STURLAUGSDN	2 3 5
LARIMORE	5013	GRAND FORKS	RED	47 54	97 38	1134	CST	7P	7P	56	56		JESSE P PHILLIPS	2 3 5
LEEDS	5078	BENSDN	DEVILS LAKE	48 17	99 26	1515	CST	7P	7P	8	8		JDHN FAGAN	2 3 5
LINTON	5210	EMMONS	MISSOURI	46 16	100 14	1711	CST	8P	8P	32	32		WM HEYERMAN	2 3 5
LISBDN	5220	RANSOM	SREYENNE	46 26	97 41	1091	CST	7A	7A	45	45		ROBERT M JODSAAS	2 3 5
MADDOCK AGR SCHDDL	5434	BENSON	SHEYENNE	47 58	99 30	1604	CST	6P	6P	34	34		BENSDN CY A & T	2 3 5
MANDAN EXP STATIDN	5479	MDRTON	HEART	46 48	100 54	175D	MST	8A	8A	35	35		ND GT PLAINS FIELD	2 3 4 5 6
MANDAN FT LINCDLN PARK	5484	MDRTON	MISSDURI	46 47	100 52	1700	MST	6P	6P	5	5		ISADORE W SMITH	2 3 5

STATION INDEX — Continued

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION ZONE	TIME OF OBSERVATION TEMP.	TIME OF OBSERVATION PRECIP.	YEARS OF RECORD TEMP.	YEARS OF RECORD PRECIP.	YEARS OF RECORD EVAP.	OBSERVER	REFER TO TABLES
MANNING	5519	OUNN	KNIFE	47 14	102 46		MST		6P		8		MISS JEANETTE S OAWES	3
MARMARTH	5573	SLOPE	LIT MISSOURI	46 18	103 55	2714	MST	6P	6P	36	40		S P GRANE	2 3 5
MAX	5638	MC LEAN	MISSOURI	47 49	101 17	2093	CST	7A	7A	20	20		SOO LINE AGENT	2 3 5
MAYVILLE	5660	TRAIL	RED	47 30	97 19	975	CST	6P	6P	53	53		H A RAGAZ	2 3 5
MC CLUSKY	5710	SHERIOAN	MISSOURI	47 29	100 29	1943	CST	11A	11A	24	31		J A HAMILTON	2 3 5
MC GREGOR RR STATION	5720	WILLIAMS	MISSOURI	48 36	102 56		CST		MIO		B		HARTVIN H HERMANSON	3 4
MC HENRY 5 N	5730	FOOY	SHEYENNE	47 38	98 35	1509	CST	8P	BP	26	26		C E BLASKY	2 3 5
MC LEOD 3 E	5754	RICKLAND	SHEYENNE	46 24	97 14	1075	CST	7P	7P	37	37		J G CARLSON	2 3 5
MC VILLE	5764	NELSON	RED	47 46	98 11	1467	CST		6P		5		H H KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	MISSOURI	46 53	99 19		CST		6P		8		RUDOLPH GRAF	3
MEDORA STATE PARK	5808	BILLINGS	LIT MISSOURI	46 55	103 33	2271	MST	5P	5P	5	34		HARRY ROBERTS	2 3 5
MEDORA TRNMP	5813	BILLINGS	LIT MISSOURI	46 58	103 30	2250	MST	5P	5P				T ROOSEVELT NAT PARK	2 3 5
MILNOR	5933	SARGENT	RED	46 16	97 28	1117	CST	6P	6P	6	6		E W WILSON	2 3 5
MINOT CAA	5988	WARO	SOURIS	4B 15	101 17	1724	CST	MIO	MIO	53	53		CAA	2 3 4 5
MINOT EXP FARM	5993	WARO	SOURIS	48 10	101 18		CST	6P	6P	3	3		N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	MISSOURI	46 41	100 18	1760	CST		9A		6		SOO LINE AGENT	3
MOHALL	6025	RENVILLE	SOURIS	48 46	101 31	1639	CST	9P	9P	55	55		IVER JOHNSON	2 3 5
MONTPELIER	6105	STUTSMAN	JAMES	46 42	98 35		CST		8A		8		ROLF HANSON	3
MOTT RR STATION	6155	HETTINGER	CANNON BALL	46 22	102 20	2440	MST	6P	6P	42	42		NORTHERN PACIFIC AGT	2 3 4 5
MUNICH 4 SW	6195	CAVALIER	OEVILS LAKE	48 38	98 53	1598	CST	7P	7P	1	1		HAROLO FELONER	2 3 5
NAPOLEON 2 SE	6255	LOGAN	MISSOURI	46 28	99 43	1955	CST	7P	7P	57	57		GLADYS J PETERSON	2 3 5
NEW ENGLAND	6315	HETTINGER	CANNONBALL	46 33	102 52	2621	MST	8A	8A	57	57		ADNA S HATCH	2 3 5
NEW SALEM 1 S	6365	MORTON	HEART	46 50	101 25	2163	MST	6P	6P	45	45		WM F GAEBE	2 3 5
OAKES WATER WORKS	6620	OICKEY	JAMES	46 08	98 05	1318	CST	8A	8A	20	20		C M HAGEN	2 3 4 5
OWEMEE 3 SE	6703	BOTTINEAU	SOURIS	48 39	100 20		CST		MIO		8		ARTHUR B VOLLMER	3 4
PARK RIVER	6857	WALSH	RED	48 23	97 45	998	CST	5P	5P	45	45		MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	MISSOURI	47 57	102 08	1929	CST	6P	6P	17	34		C E SHUBERT	2 3 5
PEMBINA CAA	6947	PEMBINA	RED	48 57	97 13	792	CST	MIO	MIO	75	75		CAA	2 3 4 5
PETERSBURG	7027	NELSON	RED	48 01	98 00	1524	CST	7P	7P	5	18		F C OVERLAND	2 3 5
PETTIBONE	7047	KIOOER	MISSOURI	47 07	99 31	1856	CST	7P	7P	40	40		L H OETHLOFF	2 3 5
PORTAL	7201	BURKE	SOURIS	49 00	102 33	1954	CST	9A	9A	35	35		U S CUSTOMS SER	2 3 5
POWERS LAKE	72B1	BURKE	MISSOURI	48 34	102 39	2205	CST	5P	5P	23	44		E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	CANNONBALL	46 11	101 51		MST		6P		8		FREOA LEER	3
RAUB	7405	MC LEAN	MISSOURI	47 44	102 04		CST		MIO		8		ALVIN LARSON	3 4
RICHAROTON ABBEY	7530	STARK	HEART	46 53	102 19	2467	MST	7P	7P	33	33		ASSUMPTION ABBEY	2 3 5
RIVEROALE GARRISON OAM	7585	MC LEAN	MISSOURI	47 30	101 24	1910	CST	5P	MIO				CORPS OF ENGINEERS	2 3 4 5
ROLLA	7664	ROLETTE	PEMBINA	48 52	99 37	1860	CST	7P	7P	11	11		THEO B FAGERLUND	2 3 5
RUGBY 1 N	7704	PIERCE	SOURIS	48 23	100 00	1542	CST	9P	9P	1	20		BOYD C RAWK	2 3 5
RYDER	7749	WARO	MISSOURI	47 55	101 40	2108	CST		9A		20		S C SCHELLENBAUM	3
SANISR	7B34	MOUNTRAIL	MISSOURI	47 59	102 32	1835	CST	7A	7A	23	23		H J BUGGE	2 3 5
SARLES 3 E	7844	CAVALIER	PEMBINA	48 55	98 56		MST		MIO	8			EARLE M TRELEAVEN	3 4
SEARING	7944	MC KENZIE	YELLOWSTONE	47 34	103 48		MST		MIO	8			GLENN S MC RAE	3 4
SELFRIOGE	7952	SIOUX	MISSOURI	46 02	100 56	2183	MST		7P		12		J B SMITR	3
SHARON	7986	STEELE	RED	47 36	97 54	1516	CST	8P	8P	22	25		HUGR LYON	2 3 5
SRERWOOO	8047	RENVILLE	SOURIS	49 00	101 38	1647	CST		6P		1		U S CUSTOMS & IMN SER	3
STANLEY	8276	MOUNTRAIL	MISSOURI	48 19	102 24	2258	CST	7P	7P	11	11		LEROY EOWAROS	2 3 5
STEELE	8366	KIOOER	MISSOURI	46 51	99 55	1857	CST	8P	8P	55	55		LEON V LESHER	2 3 5
TAGUS	8627	MOUNTRAIL	MISSOURI	48 20	101 56	2179	CS		6P		20		GEORGE N PILGARD	3
TIOGA	8737	WILLIAMS	MISSOURI	48 24	102 56	2279	CST		6P		20		L A SIMON	3
TOWNER	8792	MC HENRY	SOURIS	48 21	100 24	1482	CS	7P	7P	47	47		AUGUST B RIEOER	2 3 5
TROTTERS	8807	GOLOEN VALLEY	YELLOWSTONE	47 20	103 54	2419	MS		5P		23		WALTER GRUNEWALO	3
TURTLE LAKE	8840	MC LEAN	MISSOURI	47 31	100 53	1899	CS	8P	8P	35	35		A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIOOER	MISSOURI	47 02	100 04	1936	CS		8P		40		AOAM LENO	3
UNOFRWOOO 12W	8877	MC LEAN	MISSOURI	47 26	101 24	1750	CS	6P	6P	24	37		MRS. F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	SOURIS	48 37	100 44	1425	CST	5P	5P	B	8		U S WILOLIFE REF	2 3 5
VALLEY CITY	8937	BARNES	SHEYENNE	46 55	98 00	1229	CST	6P	6P	44	44		MISS I C ROBERTSON	2 3 5
VAN ROOK	8970	MOUNTRAIL	MISSOURI	47 57	102 21	1864	CST	9P	9P	8	8		ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	SOURIS	48 03	100 55	1511	CST	6P	6P	22	22		OSCAR ANDERSON	2 3 5
VERONA	9035	LA MOURE	JAMES	46 22	98 04		CST		10A		8		LOUIS J MANOSON	3
WARPETON POWER PLANT	9095	RICHLAND	RED	46 17	96 36	962	CST		MIO		B		NEWTON O JONES	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	RED	46 16	96 36	962	CST	5P	5P	57	57		STATE SCH OF SCIENCE	2 3 5
WALHALLA	9155	PEMBINA	PEMBINA	48 56	97 55	966	CST		7P		8		PETER PAULUS	3
WASHBURN	9195	MC LEAN	MISSOURI	47 17	101 02	1731	CST	6P	6P	46	46		FREO F JEFFERIS	2 3 5
WATEORD CITY	9233	MC KENZIE	MISSOURI	47 48	103 17	2084	CST	8P	8P	36	36		J C ZELLER	2 3 5
WESTHOPE	9333	BOTTINEAU	SOURIS	48 55	101 01	1508	CST	6P	6P	43	43		REV R CAREY	2 3 5
WILOROSE	9400	WILLIAMS	MISSOURI	48 38	103 10	225B	CST		6P		19		JONATHAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	MISSOURI	48 09	103 35	1877	CST	MIO	MIO		70		U S WEATHER BUREAU	2 3 4 5
WILLOW CITY	9445	BOTTINEAU	SOURIS	48 36	100 17	1471	CST	8P	8P	57	57		O M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	MISSOURI	47 09	100 48	2159	CST	8A	8A	14	14		SOO LINE AGENT	2 3 5
WISHEK	9515	MC INTOSH	MISSOURI	46 16	99 34	2010	CST	BA	8A	28	28		H M LARSON	2 3 5
NEW STATIONS														
BEACH	0590	GOLDEN VALLEY	LIT MISSOURI	46 55	104 01	2814	MST	7A	7A				LUTHER F HODGIN	2 3 5
HILLSBORO	4203	TRAIL	RED	47 24	97 04	901	CST	6P	6P	43	43		ALFREO JAHNKE	2 3 5

See reference notes following Table 3.

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CLIMATOLOGICAL DATA

NORTH DAKOTA

FEBRUARY 1949
Volume LVIII No. 2

NAT.
HIST.

CHICAGO: 1949

NORTH DAKOTA - FEBRUARY 1949

F. J. Bavendick, Section Director - Bismarck

GENERAL SUMMARY

February was a very cold month. The temperature averaged approximately 8 degrees below normal over the state. The Eastern Division was about 7 degrees below normal, the Middle and Western Divisions were about 9 degrees below normal. There have been 9 years in the climatological history of the state with a lower mean temperature. There were no unusual extremes of temperature during the month. A few stations reported maximum temperatures in the 50's on the 17th, and a few stations reported minimum temperatures lower than -30°, with one station, Willow City, reporting -40° on the 3rd.

Precipitation averaged slightly below normal for the month. The Eastern Division averaged .02 below normal, Middle Division .03 below normal, and the Western Division .01 above normal. There was an average snowfall of 6.3 inches over the state with about equal amounts in all divisions. Snowfall was somewhat above average for the month.

There was considerable drifting of snow during the month although there weren't any unusually severe blizzards. As a result roads continued very bad into February. Most country roads and a number of state highways remained blocked for long periods. Branch line trains in many sections failed to operate for many days at a time. Feed for livestock became critically short in many areas of the state during the first two weeks of the month. As a result an emergency was declared to exist by Gov. Aandahl and the U. S. 5th Army was called in to assist in opening roads. The Army's "Operation Snowbound" did a thorough job. Their activities included opening highways, county roads, roads into farms, and roads to haystacks. Airplanes were used in some areas to drop hay to livestock until the roads could be opened to feed supplies. The Army started in the southwest portion and then gradually spread into the north central and northeast portions of the state. Very little loss of livestock and very little human suffering seems to have occurred over the snowbound areas,due in large part to the efforts of the 5th Army crews.

The depth of snow on the ground was one of the highest on record for the state. There was no marked thawing during the month to settle the snow--as a result very little wind was required to cause drifting.

Towards the end of the month it was somewhat less stormy so the Army made excellent progress. At the end of the month most roads had been opened and were in generally fair to good condition. Considerable work was still required in the north and northeast sections of the state.

TEMPERATURE

The mean temperature for the state was 2.2°, which is 7.5° below normal for the month. The monthly mean temperatures ranged from 8.2° at Fort Yates to -5.4° at Eckman. The highest temperature recorded in the state was 57° at Medora, on the 17th, and the lowest -40° at Willow City on the 3rd.

PRECIPITATION

The average precipitation for the state was 0.46 inch, which is 0.01 inch below normal for February. The total amounts recorded at various stations ranged from 1.29 inches at Grano to 0.05 inch at several stations. The heaviest rainfall reported in any one day was 0.61 inch at Lisbon on the 9th and at Larimore on the 26th. The monthly average of snowfall was 6.3 inches or 1.2 inches more than normal. The greatest monthly amount was 14.0 inches at Medora; the least 0.5 inch at Hettinger. The greatest depth on the ground was 42 inches at Rolla on the 23rd and 24th.

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this hulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works hy the Corps of Engineers. This Network, now numhering about 2,000 recording, and 1,000 non-recording rain gages, has heen maintained hy the Weather Bureau through working funds transferred annually to the Weather Bureau hy the Corps of Engineers. These transfers averaged about $250,000 per year hetween 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred ahout $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this hulletin Series, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, hut since the Network was estahlished to meet the internal requirements of the Federal agencies referred to ahove, no provision was made for puhlic dissemination of the data, distribution heing limited to cooperating agencies and to certain puhlic repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may he ohtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this hulletin have heen made availahle through the cooperation of various puhlic offices, private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes—inches				Wind speed—m. p. h.				Relative humidity averages—percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 a. E.S.T.	Percent of possible	
BISMARCK AIRPORT	30.75	20	29.50	7	9.9	34	NW	11	77	75	70	76	65	1758
DEVILS LAKE	30.76	20	29.37	15	8.8	34	NW	17					58	1861
FARGO AIRPORT	30.75	20	29.41	15	14.3	38	S	10	75	74	71	77	68	1755
WILLISTON	30.71	20	29 39	7	6.0	26	NW	18	71	72	65	70	63	1734

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	10.0	62	-45	0.58	4.9	4
1893	-0.3	52	-41	0.58	5.7	4
1894	8.0	55	-54	0.22	2.3	2
1895	5.9	65	-40	0.36	3.6	4
1896	14.3	64	-50	0.41	4.3	3
1897	6.1	52	-29	1.16	11.5	7
1898	13.3	65	-40	0.46	4.5	3
1899	0.4	60	-34	0.20	1.9	3
1900	1.3	46	-48	0.47	4.5	4
1901	7.1	60	-48	0.31	2.9	3
1902	12.1	51	-31	0.98	6.7	6
1903	3.1	46	-33	0.38	3.7	3
1904	-2.1	52	-49	0.69	7.6	5
1905	8.2	64	-42	0.31	2.9	2
1906	9.8	57	-46	0.18	1.4	2
1907	10.7	58	-38	0.33	2.8	3
1908	13.8	62	-49	1.04	10.1	5
1909	9.6	56	-34	0.31	3.7	4
1910	3.4	56	-34	0.59	5.6	4
1911	7.3	55	-50	0.70	8.0	3
1912	11.8	48	-38	0.15	1.7	2
1913	8.5	64	-33	0.09	1.0	2
1914	1.0	57	-44	0.34	3.8	3
1915	17.4	50	-47	0.62	6.1	3
1916	6.4	55	-20	0.48	4.8	4
1917	-0.7	61	-39	0.66	7.1	5
1918	10.8	60	-48	0.22	2.3	3
1919	7.7	58	-41	0.62	8.5	5
1920	12.5	53	-40	0.30	3.2	3
1921	19.9	64	-36	0.39	3.8	3
1922	0.7	45	-33	1.19	12.8	5
1923	4.1	48	-39	0.64	7.2	4
1924	20.3	67	-40	0.39	4.2	3
1925	16.5	62	-27	0.29	3.6	3
1926	22.3	58	-39	0.41	3.7	4
1927	13.3	50	-19	0.36	3.1	4
1928	18.8	59	-31	0.11	1.2	2
1929	2.8	44	-19	0.29	3.3	4
1930	21.7	63	-44	1.18	11.7	6
1931	28.0	62	-30	0.28	2.9	2
1932	13.6	69	-31	0.32	4.3	3
1933	7.9	58	-45	0.28	3.3	3
1934	19.5	61	-30	0.06	0.7	1
1935	24.0	63	-25	0.20	1.9	2
1936	-12.9	43	-60	0.70	9.1	6
1937	6.8	55	-35	0.49	6.6	4
1938	7.2	60	-35	0.68	8.6	5
1939	- 0.8	51	-46	0.63	9.7	5
1940	15.0	52	-29	0.61	7.8	7
1941	12.2	57	-40	0.22	2.8	3
1942	14.1	57	-30	0.36	4.6	5
1943	15.1	62	-32	0.50	6.4	5
1944	11.2	50	-43	0.29	4.3	4
1945	15.1	52	-29	0.36	4.6	4
1946	10.4	60	-40	0.66	8.1	6
1947	8.8	54	-36	0.40	3.5	5
1948	7.0	60	-37	0.99	12.7	7
1949	2.1	57	-40	0.46	6.3	6
PERIOD	9.7	69	-60	0.47	5.1	4

See reference notes following Station Index.

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail: Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
ARVILLA STATE PARK			36	17+					.70		.29	25	8.2			9	1	
CARRINGTON	-1.4	-10.3	35	22+	-25	4+		28	.69	.21	.12	23+	12.2			9		
CAVALIER POWER PLANT	-2.1	- 8.2	28	17	-28	10		28	.53	.01	.19	26	6.1	23	26+	10		
COOPERSTOWN	2.2	- 5.6	38	17	-28	4		28	.33	- .19	.20	24	3.5			2		
DEVILS LAKE W B CITY	-1.4	- 6.5	41	17	-27	4		28	.53	.03	.18	23	6.8	23	26+	9		
EDGELEY EXP FARM	5.7M	- 7.1	45	17	-27	4		28	.28	- .20	.15	28		6	9	7		
EDMORE 1 W	-1.9	- 6.7	35	17	-32	2+		28	.84	.43			11.2	34	26+	9		
ELLENDALE NORMAL SCH	5.4	- 7.7	41	17	-23	4+		28	.35	- .14	.16	24	3.9	8	9+	5		
FARGO WB AIRPORT	2.3	- 5.8	32	17+	-24	4		28	.53	- .16	.21	24	5.6	13	6	11		
FORMAN	6.7	- 5.2	43	17	-25	4		28	.37	- .13	.18	24	3.9	7	9+	4		
FULLERTON	6.9M	- 5.5	41	17	-26	4		28	.38	- .33	.15	24	3.8	4	1	6		
GACKLE	4.5M	- 6.0	42	17	-26	3		28						9	5+			
GRAFTON STATE SCHOOL	-1.6	- 8.9	35	18	-30	2+		28	.94	.37	.50	26	10.2			6	1	
GRAND FORKS CAA	-1.6	- 9.3	32	17	-27	4+		28	.57	.01	.36	26	7.9	22	26	11	1	
BILLSBORO	1.9M	- 8.3	33	17	-26	2+		28	.61	.06	.25	26	9.9			7	1	
JAMESTOWN CAA	3.4	- 6.5	43	17	-25	4		28	.53	- .06	.09	18	6.8	7	11+	12		
JAMESTOWN STATE HOSP	4.7	- 5.2	44	17	-26	4		28	.27	- .32	.16	19	4.9			4		
KENSAL WILDLIFE REFUGE	1.9		40	17	-30	4		28	.22		.09	6	2.9	10	5	4		
LA MOURE	5.6		42	17	-26	4+		28	.54		.29	2	7.5	11	2	5	1	
LANGDON EXP FARM	-2.9	- 7.7	34	17	-30	20		28	.46	- .17	.20	26	4.6	34	4+	7		
LARIMORE	0.8	- 6.9	37	17	-25	10		28	.93	.38	.61	26	10.0			3	1	
LISBON	4.8	- 6.8	41	17	-27	10		28	.77	.18	.61	9				6	1	
MAYVILLE	1.3	- 8.5	35	17	-29	4		28	.83	.39	.21	26	8.0	19	6+	12		
MC HENRY 6 N	-0.2	- 5.6	38	17	-27	2		28	.56	.11	.20	24	6.3	24	26+	7		
MC LEOD 3 E	5.0	- 8.0	35	12+	-27	11		28	.46	- .10	.30	24	5.5			3	1	
MUNICH 4 SW	-3.5		32	17	-31	2+		28	.53		.19	26	6.9	37	27	7		
OAKES WATER WORKS	3.1	- 9.8	43	18	-26	10		28	.32	- .14	.15	24	4.1	7	5	5		
PARK RIVER	0.9	- 6.8	38	17	-24	20		28	.36	- .06	.12	26	5.5	29	26+	11		
PEMBINA CAA	-3.7	- 6.5	26	17	-31	10		28	.37	- .25	.09	26	3.8	17	26+	12		
PETERSBURG	0.2		35	17	-26	2+		28	.63	.13	.30	26				10	1	
SHARON	0.7M	- 8.8	38	17	-25	2		28	.67	.19	.18	24	8.3	23	9	8		
VALLEY CITY	5.5	- 6.0	40	17	-25	4+		28	.55	- .04	.18	6	8.1			6		
WAHPETON STATE SCHOOL	6.0	- 6.4	35	11	-25	4		28	.34	- .13	.11	24	6.2	16	5	6		
DIVISION	2.0	- 7.2							.53	- .02								
MIDDLE DIVISION																		
BELCOURT INDIAN RES	-3.5		37	17	-38	20		28	.05		.04	17	0.6	33	28	1		
BISBEE	-3.5	-10.0	31	17	-33	2		28	.45	.09	.16	26	5.6			6		
BISMARCK WB CITY	3.1	- 8.5	45	17	-26	20		28	.45	.06	.15	18	8.5			10		
BISMARCK WB AIRPORT	2.2	- 6.3	44	17	-28	20		28	.37	- .07	.14	18	9.5	13	19+	8		
BOTTINEAU	-2.0	- 6.9	36	17	-35	2		28	.23	- .13	.07	17	2.2	22	1+	6		
BOTTINEAU STATE PARK	-3.4M		34	16	-37	3		28	.26		.10	11+				4		
CARSON 2 S W	3.3M	-11.2	44	22	-25	1			.61	.13	.25	21	6.5	22	19+	4	1	
CENTER	2.6	- 9.9	44	17	-28	2+		28	.75	.33	.43	23	8.0	22	23	4	1	
DRAKE	-1.3	-11.7	40	18	-28	21		28	.65	.18	.27	19	7.0			7	1	
DUNSEITB ST SANITARIUM	-0.5	- 7.2	35	17+	-30	2		28	.16	- .26	.10	26	2.5	14	26+	3		
ECKMAN	-5.4	-12.9	39	18	-36	3+		28	.94	.57	.30	12+	9.6	52	18+	6	2	
FESSENDEN	2.6	- 7.1	41	17	-27	4		28	.39	- .13	.22	21	5.0	25	6	2		
FORT YATES	8.2	- 4.4	46	17	-29	3		28	.14	- .32	.10	1	1.5	8	1	2		
FOXHOLM WILDLIFE REF	2.0	-10.0	44	17	-30	3		28	.13	- .34	.05	19	5.0	25	11+	4		
GARRISON	0.6M	-10.5	47	17	-26	3		28	.60	.09	.30	23	5.6	23	1+	8	1	
GRANVILLE	-0.3	-10.3	43	17	-34	3		28	.23	- .20	.08	11	2.6	34	11+	4		
HANSBORO	-4.3	-10.4	33	17	-31	20		28	.24	- .26	.10	26		40	26+	5		
LEEDS	-0.5		40	17	-31	4		28	.87		.40	26	9.8			7	1	
LINTON	5.9	- 7.9	51	17	-28	3		28	.14	- .28	.12	24	2.0	11	1+	3		
MADDOCK AGR SCBOOL	-0.5	-10.7	39	17	-31	2		28	.42	.02	.13	26				5		
MANDAN EXP STATION	2.5	-10.1	45	18	-24	20		28	.41	.02	.19	19	8.4	12	24	3		
MANDAN FT LINCOLN PARK	5.8		43	17	-24	2+		28	.38		.18	19	9.7			5		
MAX	-0.3	- 9.9	39	18	-26	20		28	.34	- .11	.13	23	4.5	23	6	8		
MC CLUSKY	1.3	-10.5	42	18	-25	1+		28	.72	.20	.42	23	8.7			3	1	
MINOT CAA	1.2	- 9.0	43	17	-24	3		28	.84	.41	.51	23	8.8	30	24	12	1	
MINOT EXP FARM	2.0		40	17	-25	3+		28	.32		.17	23	3.4	36	24	5		
MOHALL	-2.2M	- 9.7			-28	3		28						38	25+			
NAPOLEON 2 SE	3.0	- 5.8	38	17	-25	3+		28	.48	.07	.10	20	6.5	19	24+	9		
NEW SALEM 1 S	4.3	- 8.7	44	17	-24	1		28	.46	.02	.14	24	8.3	30	24	7		
PETTIBONE	3.0	- 6.0	42	17	-27	20		28	.44	.05	.14	24	8.1	14	24+	6		
RIVERDALE	4.0		43	17	-24	3		28	.33		.13	19	6.3	21	24	4		
ROLLA	-2.6M	- 9.4	36	17	-29	3		28	.34	- .13	.11	23	3.4	42	23+	6		
RUGBY 1 N	-1.3		35	17	-33	3		28	.26	- .19	.18	23	3.4	33	11+	3		
STEELE	3.0	- 6.6	41	17	-25	2		28	.39	.01	.29	24	7.0			2	1	
TOWNER	-1.3	- 9.2	42	17	-32	3		28	.05	- .43	.05	23	2.4	26	23+	1		
TURTLE LAKE	1.9	- 7.7	41	17	-29	3		28										
UNDERWOOD 12 W	3.0	-11.3	44	18	-32	2+		28										
UPHAM WILDLIFE REFUGE	-2.3		41	17	-38	3		28	.46		.10	23	7.8	28	24+	11		
VELVA	1.9	- 9.5	42	17	-33	3		28	.46	- .04	.16	23	5.0	30	1+	5		
WASHBURN	5.5	- 5.2	46	17	-24	3		28	.41	.02	.16	19	7.0			4		
WESTHOPE	-3.7	-11.4	35	17	-32	3+		28	.71	.39	.27	23	10.0	33	26	4	1	
WILLOW CITY	-3.7	- 8.8	35	17	-40	3		28	.32	- .22	.14	23	4.5	30	1	4		
WILTON RR STATION	0.8	- 9.5	44	18	-25	2		28	.45	.06	.22	24	8.4	18	24+	4		
WISHEK	2.1M	- 8.1	42	18	-30	4		28	.21	- .21	.07	11+	5.2	12	12+	6		
DIVISION	0.9	- 9.0							.41	- .03								

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 SW	5.3		40	17	-22	1+		28	.50		.21	24	9.2	17	24+	9		
AMIDON	7.6M	- 8.6	45	17	-30	1		28	.25	- .22	.07	5	4.5	28	23+	9		
BEACH	7.6	- 8.4	43	17	-30	1		28	.64		.23	19	9.2	19	19+	6		
BELFIELD	5.6	- 9.8	48	22	-28	1		28	.87	.42	.20	23	8.8	18	1	10		
BOWBELLS R R STATION	-0.1	- 7.8	42	18	-28	20		28	.31	- .11	.20	24	3.7	20	1	4		
BOWMAN COURT HOUSE	6.1M	-11.3	44	17+	-28	1		28	.14	- .30	.05	12+	4.2	27	15	3		
CROSBY	-1.5	-11.0	36	18	-28	13		28	.41	.05	.31	24	4.3	15	1+	4	1	
DICKINSON CAA	3.7M	- 9.1	41	17	-27	1		28	.61	.18	.17	23	6.4	13	1+	11		
DICKINSON EXP STATION	2.9	- 9.9	45	18	-26	1+		28	.61	.18	.18	24	8.2	16	6+	9		
DUNN CENTER	3.2	-10.9	47	17	-35	2		28	.47	.01	.21	23	5.6			4		
EPPING	2.4	- 7.0	42	22	-29	1		28	.21	- .19	.18	23	3.9			3		
GRENORA	1.6	- 7.4	40	17+	-27	1		28	.05	- .40	.02	23+	1.1	5	1+	3		
HETTINGER	7.5	- 9.0	42	22	-26	1		28	.05	- .38	.05	23	0.5			1		
KENMARE	0.7	- 7.5	42	18	-24	3+		28	.28	- .11	.06	18+	3.5	26	1	6		
MARMARTH	7.2M	-10.0	45	17	-33	2+		28	.59	.18	.18	23	13.0	33	20	7		
MEDORA STATE PARK	6.2	-10.1	57	17	-30	1		28	.90	.51	.25	9+	14.0	20	11	4	3	
MEDORA T R N M P	6.4		52	17	-34	1		28	.64		.20	19+	8.3	14	24	5		
MOTT RR STATION	5.7	- 8.4	45	22	-28	2		28	.44	- .04	.10	19+	4.7			8		
NEW ENGLAND	8.0	- 6.5	49	17+	-26	1		28	.70	.21	.22	23	10.4	31	24	6		
PARSHALL	2.6	- 6.1	47	17	-29	3		28										
PORTAL	-2.1	- 8.3	40	23	-29	2+		28	.58	.20	.36	24	6.1			3	1	
POWERS LAKE	-0.6	-12.4	42	17+	-30	13		28	.33	- .12	.10	19+	5.2	27	23+	5		
RICHARDTON ABBEY	6.2M	- 8.5	42	17	-23	1		28	.80	.39	.24	24	9.4	22	12+	8		
SANISH	-1.5	-10.1	46	18	-32	2		28	.35	- .10	.13	24				6		
STANLEY	- 1.9		42	17	-30	2+		28	.14	- .27	.08	23	7.0			2		
VAN HOOK	3.0		47	17	-28	2		28	.14		.06	19	2.3	16	23+	3		
WATFORD CITY	5.0	- 8.7	44	17+	-26	2+		28	.44	.01	.16	23	4.8			8		
WILLISTON WB CITY	3.0	- 5.2	45	17	-24	2		28	.39	- .02	.17	23	4.0	10	24	7		
DIVISION	3.7	- 8.8							.44	.01								
STATE	2.2	- 7.5							.46	- .01								

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5 and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

-	No record
+	And also on later dates.
*	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
6	Precipitation measured at 6-hourly intervals, no recording gage.
B	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table 5 for detailed daily record.
R	Station equipped with recording gage only.
S	Storage precipitation station. Precipitation measurements, made at irregular intervals, will be published in the June issue of this publication.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
Z	Hourly amounts from a recording gage at the same site may be found in Table 4.

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Table 3

DAILY PRECIPITATION

NORTH DAKOTA

FEBRUARY 1949

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S							.01	T				.17	.10								T				.40		.28					.94
ALEXANDER RR STATION							.02						.03						.02	.10					.16							.33
ALMONT 7 SW						T	.06	T	.01	.01			.02					.02	.05	.10				.02	.21							.50
ALPHA 1 S						.09		-		-		.02	-			T	.02		.12	.06												-
AMIDON						.07		T	.01	.01		T	.02				.02	T	.03			.03		.05	.01							.25
ARVILLA STATE PARK		.09	.01			.03	.08			.04		T	T							.04				.03	.09	.28						.70
BEACB						T				.06		T	.12			T	.06		.04	.23				.13								.64
BELCOURT INDIAN RES											T	.01	T					.04	T	T	T			T			T					.05
BELFIELD				T				.10		.05	T	T					.05	.05	.10	.14	.03	.0S		.20	.10							.87
BEULAH						T	.05			.01								T	.10	.11				.18	.07	T						.52
BISBEE										T		.09							.04	.03		T		.07	.06		.16					.45
BISMARCK WB CITY				T		.03	.04			.02		T	.01	T	T		.04	T	.15	.06	T	T		.07	.02		T	.01				.45
BISMARCK WB AIRPORT	2			T		.03	.04			.01		T	T	T	T		.03	T	.14	.06	T	T		.05	.01		T	T	T			.37
BOTTINEAU		T							T	T	.01	.01	T			T		.07		.04	T	T		.06	.04			T				.23
BOTTINEAU STATE PARK												.10			.05					.01							.10					.26
BOWBELLS RR STATION							T				T	T	T				.05		.05	.01	T			T	.20							.31
BOWMAN COURT HOUSE	Z						T						.05			T	T			.04				.05								.14
BREIEN											.15		.13	.08																		.36
CARRINGTON				.08		.10	.02				.05					.07			T	.07	T	.06		.12			.12					.69
CARSON 2 SW							.06			.11									T	.19					.2S		T					.61
CAVALIER POWER PLANT							.10				T	T		.04		.03	.01		.01	T	.02	.01	.02	T		T	.09	.19				.53
CENTER		T				T	.12			T			T							.10	.10				.43				T			.75
COLGATE						.02																				.03						.05
COOPERSTOWN																									.20	.13						.33
COURTENAY		T		T		.02						T			T				T	.09				.05		T	.09					.25
CROSBY		T		T	T		T			T								.0S	.03	T	.02	T			.31		T		T			.41
DAWSON	R					*	.1S					*	.02					.03	.06	.02		.01		.03	.08							.40
DEVILS LAKE WB CITY	Z	T		T	T	T	.06	T	T	.02	T	T	T		T	T	T	.02	T	.08	T	.01	T	.18	.01	.07	.08	T				.53
DICKINSON CAA	Z	T			T	.06		.01		.0S		.07	.01			T	.05		.12	.04				.17	.01		.02					.61
DICKINSON EXP STATION		T			T	T	.11		T	.06	.01	T	.06	T			T	.02	.03	.12	.02	T			.18			T	T			.61
DRAKE							.02												.01	.27	.0S				.24		.02	.04				.65
DUNN CENTER		T				T	.04			T		T	.02					T	T	.20				.21								.47
DUNSEITH ST SANITARIUM												T	T		T			T		T	T	T		.03			.10		.03			.16
ECKMAN										T			.30			.01		T	.30	.04	T	T			.20		.09	T				.94
EDGELEY EXP FARM	Z	T	.02		T	.02	.02			.02										.02				T	.03			T	.15			.28
EDMORE 1 W		T					.17		.10	.16		.05			T	T			T	.06	T	T		*	.25		.05	T				.84
ELLENDALE NORMAL SCH			.07			.06	T			.04			.02	T								T			.16							.35
EPPING						T		.02				.01							T	T	T			.18			T					.21
FAIRFIELD 9 N						T	T		T	.02	T	T				T	T	.04	T	.14				.13	-							-
FARGO WB AIRPORT	Z	T	.03	T	.02	.06	.07		.01	T		.01	.01	T					.01	.03		T		T	.21	T	.07					.53
FESSENDEN							.17										T					.22			T							.39
FORMAN			.09				.03			.07															.18		T					.37
FORT YATES		.10				T				T				T						T	T				.04							.14
FOXHOLM WILDLIFE REF							T					.03							T	.05	T			.03			.02	T				.13
FULLERTON			.07		.03		.07			.04				.02						T					.15							.38
GACKLE			.01	T	T	.01						-	-	-	T					.02					T		.01					-
GARRISON	2					.02	.05			T		T					T		.03	.16				.30	.04							.60
GLEN ULLIN	R					*	.10					.05					.04		.11	.02				.29	.02		.02					.65
GRAFTON STATE SCHOOL							.20			.01			T			T				.09	T	.01		.13			.50					.94
GRAND FORKS CAA	2	T	.02		T	.01	.03	T	.01	.04		T	.01	T	T			T	.01	.04	T	T	T	.03	.01	T	.36	T	T			.57
GRANO	R//										.02	.53	.02				.03	.0S	*	.30	.06				.02		.03	.03	.20				1.29
GRANVILLE		T							T	T		.08	T						T	.04	.04	T			.07	T		T					.23
GRENORA												T	.01												.02	.02							.05
HALLIDAY						.03	.04					T	.06						.03	.09	.10				.21	.07							.63
HANNAFORD	R		.03			*	*	*	.10											.02	.08					.18	.05	.10					.56
HANSBORO							T			T	.03	T	.05					.01		T	T			.05			.10					.24
HARVEY WATER WORKS		T					.02			T								T	T	.06		T		T	.03		.07	T	T			.18
RAZELTON RR STATION	R//					.08	.05			.03	.10	.04	.01						.07	.04				*	.06			.05				.53
HETTINGER					T	T				T		T	T	T			T		T	T	T		T	.05								.05
HILLSBORO						T	.09			.02		T	T	T					.02	.06		.05	T	T	.12		.25					.61
HURDSFIELD	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	*	*	*	*	*	.32		*	*	.06			-
JAMESTOWN CAA	Z	T	.02	T	.02	.05	.06		.04	T	T	.02	T	T	T		T	T	.09	.06		T	T	.08	.04	.01	.04	T				.53
JAMESTOWN STATE HOSP			T	T		T	.04			T		T							T	.16		T		T	.03		.04					.27
KENMARE													.05					.02	.06	.05	.04				.06							.28
KENSAL WILDLIFE REFUGE			T				.09			T										.06		T		*	.07							.22
LA MOURE		T	.29		T	.05				.06				.04						T		T			.10							.54
LANGDON EXP FARM							.02						.03						*	.03		.02		.12	.04		.20					.46
LARIMORE							.12																	.20			.61					.93
LEEDS							T			.03			.06					.02		.10	T	T	.02	.24			.40					.87
LINTON			.01		T	T				T		T	T							.01	T	T		T	.12			T				.14
LISBON			.02		T	.02		T	T	.61			T	.01						.01					.10							.77
MADDOCK AGR SCHOOL							.03			T		T						.09		T		T		.09	.08		.13					.42
MANDAN EXP STATION	Z						.05			T	T		T			T		T	T	.19					.17			T	T			.41
MANDAN FT LINCOLN PARK					T	T	.05			.01			T							.18	T	T		T	.11			T	.03			.38
MANNING						.08	-			.03	-	.07		.01	-				.10	.04				.18	-							-
MARMARTH							.13		.05	T			.05			T	.01		.05	.02	.10			.18			T					.59
MAK							.06						*	.06				T	T	.06	.03		T	.13								.34
MAYVILLE			.07	.01		.07	.16			.06			.05	.01	T	T				.09	.01	T		.01	.08		.21					.83
MC CLUSKY						.11													.19					.42								.72
MC GREGOR RR STATION	R											.16					*	*	*	.40				.09	.05							.70
MC HENRY 6 N						.01	.18			T		T							T	.07		.01		.03	.20		.06					.56
MC LEOD 3 E							.08			T	.08														.30							.46
MC VILLE							.12														.12						.43					.67
MEDINA 1 W							.0S													.08					.08							.21
MEDORA STATE PARK										.25		.25								.25				.15								.90
MEDORA T R N M P						T	.15			.06		T	.03				T		T	.20				T	.20		T					.64
MINOT CAA	Z				T	.02	.02	T	T	T	T	.04				T	.02	.03	.09	.03	T	T		.51	.01	T	.02	.02	.03			.84
MINOT EXP FARM							T	T	T	T	.01	.05			T					.08				.17	.01			T				.32
MOFFIT RR STATION		T		T									T							.10	T				.04			T				.14
MORALL							.01		T		T	.38						.04		.01	.03			.26		.18	-	.01				-
MONTPELIER				.01		.01	.01								T	T				.0S			T		.03		.02		T			.13
MOTT RR STATION	Z						.05			.05			.05					.02	.02	.10		T		.0S	.10				T			.44
MUNICH 4 SW				T		T				T	T	T	.0S		T	T		.02	T	.09	T	.01		.13	.04		.19					.53
NAPOLEON 2 SE			.03		.02	T	.05			T		.09	.07	T							.10					.09		T	.02	.01			.48
NEW ENDLAND					T				T	.10		T	.10				T		.06	.14				.22	.08							.70
NEW ROCKFORD 6 NW							.12			T					T			T	T	.1S	T	T		T		.14						.41
NEW SALEM 1 S						.01	.06	T				.05	T					T	.03	.10	T			.07	.14	T						.46
OAKES WATER WORKS	Z			.09		.01			.04		.03														.15							.32
PARK RIVER						.01	.09			.01		.01					.01	.01		.02		.03		.03	.02		.12					.36
PARSHALL						T						.14				-		.01		.11				.16	-			-			-	
PEMBINA CAA	2	.01			T	T	.05	.01	T	.01	T	.02	T	T	.02			.01	T	.05	.02	.01	T	.07		T	.09	T				.37
PETERSBURG							.03		T	.01			.03		.04			.05	.02	.03	T	.08		.04			.30					.63
PETTIBONE							.12			.01			.03		T					.11				T	.14		.03	T				.44
PORTAL							T					T	T			T		.08	.14	T	T				.36		T	T				.58
POWERS LAKE							.02			T			.05			T				.10	.06			.10								.33
PRETTY ROCK						.05	.05			.10		T	T						.05	.1S				.20	.20		.30					1.10E
RAUB	R					.04	.03					-					-	-	-	-				.28	.02							-
RICHARDTON ABBEY						T	.10			.03		T	.05					.04	.07	.12				.15	.24							.80
RIVERDALE	Z						.05											T	T	.13	T			.05	.10							.33
ROLLA							T			.01		.09						.03		.05	T			.11	T		.05		T			.34
RUGBY 1 N												.04	.04							T	T	T		.18	T							.26
SANISB		.03											.05					.03	T	.06		.05			.13							.35
SARLES	R//											.21	.14												-	-	-	-	-			-
SHARON			.01			.03	.15			.02										.11	T	T		.02	.18		.15					.67
SHERWOOD									T	T	.10							.15	.09	.03	.03			.20			.15	T				.7S

See reference notes following Station Index

DAILY PRECIPITATION

Table 3—Continued

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
STANLEY																			.08				.08	T				T				.14
STRELE	T				T	T			T		T	T		T				T	.10				T	.28			T	T				.38
TAGUS					•	.02		T			.25				T		.08	.03	.02				•	.06	.02	T		T				.46
TOWNER									T		T					T		T					.05									.05
TROTTERS					.02		T		.02		.03					.02		.02	.07				.02									.20
TURTLE LAKE						.25		T	T									.04	.18		T		.46	-		T	T				-	
TUTTLE 8 SW						.21			.05		.06	.02						.15	.10	T	T		.17									.76
UNDERWOOD 12 W					T	.04			T	T	T	-				T	T	.03					T	.06		T		T				-
UPHAM WILDLIFE REFUGE								T	.02		.03	.04				.02	T	.05	.02	T	.05		.10	.07		.05	.01					.46
VALLEY CITY		.15			.01	.18			T				T						.07					.07		.07						.55
VAN HOOK					T		T				.03					T	T		.06	T			.05	T								.14
VELVA					.05	T		T	T		.04	T						T	.12	T	T		.16	.06			T					.46
WAHPETON POWER PLANT R		.04		•	.04			.03					.05											.15		.10						.41
WAHPETON STATE SCHOOL		.07	.02		.05			T	T			T	.02								T			.11		.07						.34
WASHBURN						.04											T		.16				.07	.14			T					.41
WATFORD CITY						.03					.05	.03				.02		.03	.08				.16	.06		T						.44
WESTROPE								T	T		.20						.14	T	T	T			.27			.10						.71
WILDROSE											.01						.01			T			.37									.38
WILLISTON WB CITY R	T	T	T	T	.03	T		T	T		.01	T	T	T	T	.02	.04	.07	.05	T	T		.17	T	T	T	T					.38
WILLOW CITY											T								T	.06			.14		•	.12		T				.32
WILTON RR STATION						.08												T	.12	.02				.22								.45
WISHEK	.01	.02		.01		T			T		.07	.03				T		T			T		.07					T				.21

HOURLY PRECIPITATION

Table 4

NORTH OAKOTA
FEBRUART 1849

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
													—2d—												
EDGELEY EXP FARM									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//													.01	.02											.03
GRAND FORKS CAA	//																		.01	.04						.05
HANNAFORD											•	•	•	•	•	•	•	•	•	.03						.03
HURDSFIELD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAMESTOWN CAA	//										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT													•	•	•	•	•	•	•	•	•	.04				.04
													—4th—													
FARGO WB AIRPORT	//																					.01	.01			.02
GRAND FORKS CAA	//																								.01	.01
JAMESTOWN CAA	//																-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT																						•	•	•	•	•
													—5th—													
BISMARCK WB AIRPORT																						.01	.01	.01		.03
BOWMAN COURT HOUSE	//																	•	•	•	•	•	•	•	•	•
DAWSON											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DICKINSON CAA												.01		.01	.01				.01	.01	.01					.06
EDGELEY EXP FARM													.02		.01			.01								.04
FARGO WB AIRPORT	//	.01	.01	.01						.01												.01			.01	.06
GARRISON																					.03		.01	.01		.05
GLEN ULLIN									•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GRAND FORKS CAA	//	.01												.02												.03
HANNAFORD														•	•	•	•	•	•	•	•	•	•	•	•	•
HAZELTON 6 R STATION	//										.01		.01	.01									.02	.01	.02	.06
MANDAN EXP STATION																							•	•	•	•
MINOT CAA	//			.01	.01	.01																	.01			.04
MOTT RR STATION																							•	•	•	•
HAUB	//																					.01	.01	.01	.01	.04
RIVERDALE																							.01	.01	.01	.03
WAHPETON POWER PLANT		•	•	•	•	•	•	•	•	•	.04															.04
WILLISTON WB CITY													—6th—					.01					.01	.01		.03
BISMARCK WB AIRPORT		.01	.01	.01																					.01	.04
BOWMAN COURT HOUSE	//	•	•	•	•	•	•	•	•	•	•	•	.09													.08
DAWSON		•	•	•	•	•	.15																			.15
DEVILS LAKE W B CITY				.01	.01	.02	.02																			.06
EDGELEY EXP FARM																						•	•	•	•	•
FARGO WB AIRPORT	//			.01	.01	.02	.01	.01	.01																	.07
GARRISON			.01				.01					.01														.03
GLEN ULLIN		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.10	.10
GRAND FORKS CAA	//	.01		.01	.01						.01		.01													.05
HAZELTON R R STATION	//	.02	.01	.01								.01														.05
MANDAN EXP STATION		•	•	•	•	•	.05																		.01	.01
MINOT CAA	//	.01		.01	.01																					.07
MOTT RR STATION		•	•	•	•	•	•	•	•	•	•	•	.04													.03
PEMBINA CAA	//									.02	.01	.01	.01	.01		.01	.01									.04
RAUB	//		.01		.01	.01																				.08
RIVERDALE			.01	.01		.01																				.03
													—7th—													.03
BOWMAN COURT HOUSE	//																		.01	.01	.01	.01	.01			.05
MANDAN EXP STATION		.01																								.01
													—8th—													
FARGO WB AIRPORT	//			.01																						.01
HANNAFORD		•	•	•	•	•	•	.10																		.10
WAHPETON POWER PLANT		•	•	•	•	•	•	.03																		.03
													—9th—													
BISMARCK WB AIRPORT												.01														.01
BOWMAN COURT HOUSE	//								.01	.02	.01	.04					.01	.01								.10
DEVILS LAKE W B CITY			.01						.01																	.02
DICKINSON CAA					•	•	•	•	•	•	•	•	.05													.05
EDGELEY EXP FARM		•	•	•	•	•	•	•	•	•	•	•	•	•	.06											.06
HAZELTON B B STATION	//												.01	.01		.01										.03
MOTT RR STATION							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													—10th—													
BOWMAN COURT HOUSE	//																							.01	.01	.02
GRANO	//																							.01	.01	.02
HAZELTON R R STATION	//											.01	.01	.01	.01		.01	.01	.01	.01	.01		.01			.10
MINOT CAA	//																								.03	.03
PEMBINA CAA	//																								.01	.01
													—11th—													
BOWMAN COURT HOUSE	//													.01	.02	.04	.03	.03	.01	.03	.06	.04	.02	.01	.03	.33
DAWSON											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DICKINSON CAA										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//					.01																				.01
GARRISON																.03		.01	.01	.01	.01					.07
GLEN ULLIN											.02	.01	.01					.01								.05
GRANO	//			.01	.01				.01			.01	.01	.05	10	.11	.08	.04	.02	.02	.02	.01	.02	.01		.53
HAZELTON E R STATION	//										.01			.01					.01						.01	.04
MANDAN EXP STATION											.01	.01		.01	.01											.04
MC GREGOR RR STATION				.03		.01			.02					.02	.01	.02	.02	.01	.01		.01					.16
MINOT CAA	//										.01	.01	.01	.02	.05	.05	.04	.05	.03	.04	.02	.02	.01	.01	.01	.38
PEMBINA CAA	//	.01	.01				.01		.04																.01	.08
HAUB	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERDALE																		.01								.01
SARLES 3 K	//								.05				.02			.01	.01	.02	.02	.02	.02	.01	.01	.01	.01	.21
WILLISTON WB CITY																			.01							.01

See reference notes following Station Index.

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—12th—																										
BOWMAN COURT HOUSE	//	.01	.03	.01	.01				.01						.01	.01										.09
DAWSON		*	*	.02																						.02
DICKINSON CAA		-	-	-	-	-	-	-																		-
FARGO WB AIRPORT	//					.01																				.01
GRANO	//	.01	.01																							.02
HAZELTON R R STATION	//	.01																								.01
MOTT RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-											-
PEMBINA CAA	//	.01	.01	.01											.01	.01										.05
SARLES 3 E	//	.01		.01			.01		.03	.01	.01	.01	.03			.01	.01									.14
—13th—																										
JAMESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT											*	*	*	*	.05											.05
—14th—																										
PEMBINA CAA	//											.01	.01		.01		.01			.01						.05
—15th—																										
GRANO	//															.02					.01					.03
MINOT CAA	//									.02	.02															.04
PEMBINA CAA	//	.01																								.01
—16th—																										
BISMARCK WB AIRPORT																					.02	.01				.03
BOWMAN COURT HOUSE	//															.01	.02			.01	.01					.05
DICKINSON CAA																			.02	.01	.01	.02	.03	.03	.01	.13
GARRISON																						.02	.02			.04
GLEN ULLIN									.02	.02																.04
GRANO	//	.01	.01											.01	.01	.01										.05
MANDAN EXP STATION																				.04	.01					.05
MC GREGOR RR STATION		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MOTT RR STATION																				*	*	*	*	*	*	*
RAUB	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERDALE																						*	.03			.03
WILLISTON WB CITY																						.01			.01	.02
—17th—																										
DAWSON																			.01	.01	.01					.03
GRANO	//	.01	.01	.02																*	*	*	*	*	*	*
HURDSFIELD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-
MINOT CAA	//																							.05	.07	.12
WILLISTON WB CITY																							.01	.02	.01	.04
—18th—																										
BISMARCK WB AIRPORT						.01														.01	.02	.04	.03	.03		.14
BOWMAN COURT HOUSE	//		.01															.01						.01		.03
DAWSON																					.01	.01	.02	.01	.01	.06
DICKINSON CAA																				.02	.04	.01	.01	.01	.01	.10
FARGO WB AIRPORT	//																							.01		.01
GARRISON															.01			.01				.01	.02	.02	.01	.08
GLEN ULLIN																			.03	.01	.01	.01	.02	.02	.01	.11
GRANO	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	25									.01	.26
HANNAFORD																									.02	.02
HAZELTON R R STATION	//																					.03	.02	.01	.01	.07
HURDSFIELD		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
JAMESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANDAN EXP STATION													.03						.01			.02	.02	.02	.01	.11
MINOT CAA	//	.02	.01		.01						.01												.01	.02	.01	.09
PEMBINA CAA	//								.03																	.03
RIVERDALE																				*	*	*	.04		.01	.05
WILLISTON WB CITY																			.01		.02	.01	.01	.01	.01	.07
—19th—																										
BISMARCK WB AIRPORT		.01	.01			.01												.01							.02	.06
BOWMAN COURT HOUSE	//	.01		.01					.01																	.03
DAWSON		.01		.01																						.02
DEVILS LAKE W B CITY		.01	.02	.02	.01													.01	.01							.08
DICKINSON CAA			.02	.01	.01										.01	.01	.01	.01	.01							.09
EDGELEY EXP FARM		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05				.05
FARGO WB AIRPORT	//	.01	.01																						.01	.03
GARRISON		.01	.02	.01							.01	.02	.01	.02	.01	.03										.14
GLEN ULLIN		.01	.01																							.02
GRAND FORKS CAA	//		.01	.01	.01	.01																				.04
GRANO	//	.01		.02	.01	.01	.01																			.06
HANNAFORD		.02	.01	.01	.01	.01				.01		.01														.08
HAZELTON R R STATION	//	.02	.02																							.04
JAMESTOWN CAA	//		-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-
MANDAN EXP STATION				.01	.01																					.02
MC GREGOR RR STATION		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.40	.40
MINOT CAA	//	.01	.01	.01																						.03
MOTT RR STATION		*	*	*	*	*	*	*	*	*	*	*	*	*	*	.16										.16
RAUB	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERDALE			.01	.02	.01						.01				.01	.02	.01		.03							.12
WILLISTON WB CITY						.01				.02	.01		.01													.05
—20th—																										
BOWMAN COURT HOUSE	//																							.01		.01
—21st—																										
BOWMAN COURT HOUSE	//	.01																								.01
DAWSON		.01																								.01
DEVILS LAKE W B CITY													.01													.01
SARLES 3 E	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—22d—																										
BOWMAN COURT HOUSE	//											.01	.02													.03
MINOT CAA	//														.03											.03
MOTT RR STATION																	*	*	*	*	*	*	*	*	*	*
PEMBINA CAA	//																								.01	.01
—23d—																										
BISMARCK WB AIRPORT																				.01	.01	.01	.01	.01		.05
BOWMAN COURT HOUSE	//														.05	.04	.03	.01	.01	.02						.17
DAWSON																		.01						.01	.01	.03
DEVILS LAKE W B CITY																	.03	.02	.02	.02	.01	.02	.02	.03	.01	.18
DICKINSON CAA																.03	.07	.05	.05	.04	.06	.02	.01	.01		.34
EDGELEY EXP FARM														.01	.01		.01									.03
GARRISON												.02		.01		.06	.05	.03	.02	.03	.01	.02	.02	.03	.01	.31
GLEN ULLIN																	.08	.09	.03	.03	.01	.02	.02	.01		.29
GRAND FORKS CAA	//																			.03	.01	.01	.01	.01		.07
GRANO	//									.02																.02
HANNAFORD														*	*	*	*	*	*	*	*	*	*	*	*	*
HAZELTON R R STATION	//																			*	*	*	*	*	*	*
JAMESTOWN CAA	//												-	-	-	-	-	-	-	-	-	-	-	-	-	-

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MANDAN EXP STATION										.01	.02	.01	.01					.01	.01	.03	.01	.01	.01		.06
MC GREGOR RR STATION											.01	.07	.05	.03	.03	.02	.02	.05	.03	.08	.07	.03		.01	.09
MINOT CAA //																								.01	.49
MOTT RR STATION	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.11	.11
PEMBINA CAA //	.02									.03	.01		.01	.01	.02	.01	.02			.01			.01		.15
RAUB //														.03	.04	.04	.02	.03	.02	.02	.03	.02	.03		.28
RIVERDALE												.01	.01					.01	.02	.01	.01	.01	.02		.10
WILLISTON WB CITY												.01	.02	.01	.01	.02	.04	.01	.02	.01	.01	.01			.17
												-24th-													
BISMARCK WB AIRPORT		.01																							.01
DAWSON	.03	.02	.01	.02																					.08
DEVILS LAKE W B CITY		.01																							.01
DICKINSON CAA	.01	.02																							.03
EDGELEY EXP FARM	.01		.01																						.02
FARGO WB AIRPORT //	.07	.06	.04			.01	.01																	.02	.21
GARRISON	.01	.01									.02														.04
GLEN ULLIN	.01	.01																							.02
GRAND FORKS CAA //			.01																						.01
HANNAFORD	*	*	*	*	*	*	*	*	*	*	*	.18													.18
HAZELTON R R STATION //	*	*	*	*	*	.06																			.06
HURDSFIELD	*	*	*	*	*	*	*	*	*	*	*	.32													.32
MANDAN EXP STATION	.01	.01																							.02
MC GREGOR RR STATION	.01									.02		.01		.01											.05
MINOT CAA //		.01	.01																						.02
RAUB //		.02																							.02
RIVERDALE	.02												.01				.01								.04
WAHPETON POWER PLANT			.04	.06	.02	.02	.01																		.15
												-25th-													
DEVILS LAKE W B CITY																							.02	.05	.07
GRANO //																					.03				.03
HANNAFORD												-26th-										.03	.01	.01	.05
DEVILS LAKE W B CITY	.04	.03							.01																.08
DICKINSON CAA		.02	.01																						.03
FARGO WB AIRPORT //	.01	.01	.01	.01	.01			.02																	.07
GLEN ULLIN		.02																							.02
GRAND FORKS CAA //	.07	.09	.14	.06	.04	.02		.03																	.45
GRANO //	.02		.01																						.03
HANNAFORD		.03	.04	.01	.02																				.10
HURDSFIELD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
JAMESTOWN CAA //	-	-	-	-	-	-	-	-	-																-
MINOT CAA //					.02	.01							*	*	*	*	*	*	*	*	*	*	*	*	*
PEMBINA CAA //		.04	.07	.02																					.13
WAHPETON POWER PLANT				.04	.01	.02			.02	.01															.10
												-27th-													
DICKINSON CAA																	.01	.01							.02
GRANO //														.03	.16	.01									.20
HAZELTON R R STATION //									*	*	*	*	*	*	*	*	*	.05							.05
												-28th-													
HURDSFIELD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.06							.06
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	.04													.07
SARLES 3 E //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	-05	4	4	3	0	4	22	8	1	10	32	3	-02	22	20	13	40	34	1	0	19	37	38	19	27	25	28	28				15.4
	MIN	-22	-16	-18	-12	-18	-11	-03	-14	-10	-14	3	-10	-15	-12	5	-05	12	-04	-10	-22	-02	5	10	-02	4	15	17	14				-04.8
AMIDON	MAX	0	13	17	9	0	11	23	10	11	34	40	0	0	23	23	27	45	40		4	29	42	41	28	34	28	27	29				21.8
	MIN	-30	-22	-18	-11	-19	-21	2	-20	-17	-15	-03	-18	-22	-10	4	-08	20	-08		-20	-05	15	11	-05	2	11	14	10				-08.7
ARVILLA STATE PARK	MAX	2	-01	2	-05	-01	8	14	6	-04	-01	24	20	2	9	21	19	36	36	-01	0	20	30	24	17	21	25	17	15				12.7
	MIN	-17	-27	-24	-32	-18	-05	-17	-11	-16	-32	-02																					
BEACH	MAX	1	13	10	8	0	20	20	7	18	34	38	0	1	23	19	27	43	33	3	5	28	41	39	24	37	32	25	30				20.7
	MIN	-30	-20	-25	-07	-18	-18	-03	-21	-08	-10	-02	-18	-19	-08	4	-02	24	-06	-11	-20	-05	11	11	-03	4	7	17	14				-05.8
BELCOURT INDIAN RES	MAX	-01	6	-02	-03	9	3	19	4	2	2	24	3	-05	12	18	8	37	31	0	-07	12	18	12	15	17	22	10	14				09.9
	MIN	-23	-24	-34	-33	-28	-15	-15	-17	-25	-34	2	-14	-29	-20	-02	-18	-10	-12	-23	-38	-10	-16	3	-04	-07	0	-08	-20				-16.9
BELFIELD	MAX	-04	10	8	12	12	15	28	14	8	27	34	-01	-02	25	23	28	48	7	8	5	28	48	36	25	36	28	32	31				20.3
	MIN	-28	-26	-27	-20	-24	-17	-02	-19	-18	-12	-01	-15	-17	-08	-04	-08	7	-07	-18	-22	-04	-02	10	-08	-03	10	10	14				-09.2
BISBEE	MAX	-16	-03	-04	-04	3	4	17	0	1	1	21	4	-05	15	16	21	31	5	-03	-05	11	10	13	17	18	20	14	18				07.8
	MIN	-27	-33	-32	-27	-24	-10	-17	-06	-15	-29	-21	-10	-25	-21	-04	-10	-09	-10	-19	-31	-09	-10	7	-08	-03	10	-04	-20				-14.8
BISMARCK WB CITY	MAX	-05	2	-05	-02	3	3	18	5	2	12	30	0	2	25	23	18	45	11	4	10	21	22	29	24	18	29	25	21				13.9
	MIN	-18	-22	-23	-22	-17	-10	-09	-11	-20	-10	-04	-10	-12	-12	-04	-10	2	-03	-24	-28	5	0	4	4	2	12	11	8				-07.8
BISMARCK WB AIRPORT	MAX	-08	2	-05	-03	3	3	18	4	2	11	28	0	2	25	23	17	44	11	3	7	20	29	21	18	27	25	23	28				13.5
	MIN	-22	-24	-24	-22	-22	-11	-07	-13	-22	-23	0	-10	-14	-13	-04	-11	11	-03	-17	-28	-02	-08	7	-02	-04	13	8	9				-09.2
BOTTINEAU	MAX	-01	-04	-10	-05	5	0	16	15	7	3	14	5	-06	14	17	14	38	31	-01	-01	15	17	22	11	16	24	21	20				10.5
	MIN	-27	-35	-31	-25	-20	-19	-19	-22	-27	-14	-03	-13	-28	-17	-02	-12	-22	-13	-18	-32	-10	-07	7	0	-02	11	4	-08				-14.4
BOTTINEAU STATE PARK	MAX	3	0	1	-01	0	1	5	7	4	8	19	9	-02	19	9	34	20	0	0	-04	-01		10	15	20	21	15	10				08.1
	MIN	-28	-31	-37	-33	-30	-15	-20	-19	-10	-20	-09	-17	-27	-15	-05	-05	-05	-10	-25	-30	-09	-10	-03	0	-07	7	-05	-01				-15.0
BOWBELLS RR STATION	MAX	-05	-06	6	5	9	4	10	10	-01	2	33	15	-02	5	27	14	14	42	-02	15	-02	10	41	10	20	23	23	18				12.1
	MIN	-25	-25	-23	-23	-17	-18	-18	-18	-19	-15	-08	-16	-21	-14	4	-12	-12	-12	-25	-28	-12	-10	-08	4	0	7	10	10				-12.3
BOWMAN COURT HOUSE	MAX	1	-02	-02	3	-02	5	7	7	19	25	25		-05	20	20	24	44	44	-01	2	28	38	36	22	34	25	22	28				17.3
	MIN	-28	-23	-19	-13	-18	-18	-01	-18	-04	-13		-15	-21	-12	6	-05	18	-07	-06	-16	-03	17	13	0	7	10	15	13				-05.1
CARRINGTON	MAX	8	-11	-09	-08	0	0	4	15	9	2	13	23	-08	2	16	18	18	13	2	-01	1	35	20	35	12	11	20	12				09.0
	MIN	-21	-23	-21	-25	-21	-16	-02	-15	-08	-16	-16	-08	-24	-24	-06	-07	-09	-05	-07	-25	-21	1	-01	-01	-03	-04	8	-10				-11.8
CARSON 2 SW	MAX	-03	-01	5	-02	-01	6	22	10	-04	8	25	3	3	22	20	20	42	37	8	0	20	44	31	18	30	26						14.9
	MIN	-25	-20	-20	-15	-16	-15	-04	-17	-13	-17	-01	-12	-17	-13	-05	-09	13	-04	-05	-18	0	-01	10	-05	4	9						-08.3
CAVALIER POWER PLANT	MAX	10	-05	5	0	-05	0	10	9	4	10	24	20	-03	10	19	14	28	26	-03	-04	12	19	14	-05	20	14	3	7				09.0
	MIN	-18	-26	-25	-28	-17	-12	-03	-10	-18	-28	7	-13	-24	-11	7	-10	0	-09	-17	-27	-06	-13	-24	-17	-06	3	-08	-22				-13.2
CENTER	MAX	-04	3	1	6	1	2	20	7	0	11	27	3	4	26	19	11	44	41	1	-03	19	37	31	20	25	24	23	24				15.1
	MIN	-25	-28	-28	-22	-25	-13	-11	-18	-14	-22	3	-10	-18	-11	6	-12	-11	-08	-14	-25	-06	-07	10	-04	-05	12	18	10				-09.9
COOPERSTOWN	MAX	-05	4	0	1	3	4	14	8	-01	5	25	19	1	14	18	8	38	37	0	1	20	32	30	15	23	28	18	26				13.7
	MIN	-19	-24	-21	-28	-05	-09	-14	-11	-10	-25	0	-11	-19	-15	5	-11	-01	-05	-08	-24	-10	-04	0	-07	-07	15	0	5				-09.4
CROSBY	MAX	2	-07	6	5	4	0	8	7	2	-01	34	8	-11	2	25	7	35	36	-10	-07	0	12	34	10	14	26	22	22				10.2
	MIN	-27	-26	-23	-21	-18	-22	-22	-16	-14	-16	-05	-18	-28	-18	2	-17	-17	-14	-20	-24	-24	-12	4	2	-01	2	12	11				-13.2
DEVILS LAKE WB CITY	MAX	-04	0	-06	-03	-01	0	14	-02	-02	8	24	2	-01	15	15	4	41	9	-05	-02	16	27	23	7	20	22	15	17				09.0
	MIN	-23	-24	-25	-27	-20	-12	-10	-14	-17	-22	2	-18	-21	-14	-03	-11	2	-08	-21	-24	-02	-03	4	-08	-02	15	-10	-15				-11.8
DICKINSON CAA	MAX	-06	4	7	5	-11	8	20	4	11	27	36	-05	-03	22	17	29	41	9	3	3	20	40	37	21	29							14.7
	MIN	-27	-20	-16	-13	-20	-18	-06	-17	-17	-08	-06	-15	-16	-08	-02	-07	7	-08	-21	-23	-01	6	6	-04	5	15	16	12				-07.3
DICKINSON EXP STATION	MAX	8	14	2	8	6	-01	13	22	5	7	35	28	-07	9	23	19	37	45	1	2	4	21	42	28	20	31	27	25				16.9
	MIN	-26	-26	-25	-24	-19	-17	-18	-19	-18	-21	6	-11	-14	-18	5	-14	-11	-05	-07	-20	-09	-02	0	-04	-04	0	0	9				-11.1
DRAKE	MAX	7	-09	0	-01	-03	-04	9	16	0	0	23	24	0	1	18	13	20	40	-02	-01	7	18	34	14	15	25	22	13				10.7
	MIN	-24	-26	-27	-26	-18	-14	-12	-19	-19	-20	-09	-13	-21	-16	-05	-12	-13	-07	-24	-26	-28	-05	4	2	0	2	10	-06				-13.3
DUNN CENTER	MAX	9	2	0	5	0	2	21	5	3	20	35	11	0	25	22	12	47	37	5	0	22	41	40	21	25	27	33	38				18.1
	MIN	-27	-35	-30	-29	-28	-16	-06	-21	-21	-19	3	-12	-15	-13	-01	-12	11	-07	-08	-26	-17	-07	10	-04	-08	8	6	-05				-11.8
DUNSEITH ST SANITARIUM	MAX	4	4	0	0	7	6	17	13	3	2	20	7	-05	12	18	8	35	35	-02	-04	13	20	24	11	15	22	22	15				11.4
	MIN	-24	-30	-23	-23	-19	-13	-15	-13	-16	-25	1	-12	-24	-17	5	-17	-09	-12	-17	-29	-09	-07	6	-02	-03	13	0	-12				-12.4
ECKMAN	MAX	5	-10	-11	-12	-07	-06	2	10	0	-05	13	15	5	0	23	12	11	39	3	-06	3	7	19	12	17	22	24	15				07.1
	MIN	-26	-34	-36	-36	-30	-29	-15	-20	-21	-28	-15	-11	-28	-15	-10	-18	-19	-08	-22	-33	-25	-18	1	1	-05	-02	9	-06				17.8
EDGELEY EXP FARM	MAX	-09	6	0	-01	8	5	18	10	5	11	33	12	4	18	25	20	45	38	4	4	25	39	31	18	29	30	21					16.7
	MIN	-19	-20	-21	-27	-10	-04	-11	-08	-15	-20	5	-06	-14	-15	9	-05	10	0	-05	-15	-05	6	17	3	-01	19	9					-05.3
EDMORE 1 W	MAX	3	0	-03	-05	9	4	12	10	0	0	23	15	-03	11	13	9	35	32	0	-05	15	22	21	11	18	19	19	11				10.8
	MIN	-22	-32	-28	-29	-21	-09	-17	-18	-12	-30	-03	-14	-22	-24	5	-16	-11	-09	-12	-32	-06	-14	10	-11	-06	12	-09	-23				-14.4
ELLENDALE NORMAL SCS	MAX	8	-05	-03	-02	8	2	17	8	3	14	32	8	-03	8	30	16	41	21	8	8	25	33	33	18	34	28	22	25				15.6
	MIN	-17	-21	-18	-23	-04	-03	-17	-04	-14	-23	5	-07	-13	-22	2	-03	7	1	-03	-11	-01	5	18	4	-02	21	13	-07				-04.9
EPPING	MAX	-07	2	-01	3	3	1	6	5	1	17	30	0	2	25	18	9	41	14	-05	2	12	42	35	23	22	22	26	32				13.6
	MIN	-29	-23	-22	-13	-17	-23	-07	-21	-12	-15	0	-16	-25	-12	3	-15	7	-10	-20	-25	-09	7	8	-04	3	16	17	12				-08.8
FARGO WB AIRPORT	MAX	1	4	-02	2	15	15	12	3	4	8	30	11	-03	13	26	12	32	26	1	0	23	26	32	19	22	28	10	9				13.5
	MIN	-18	-21	-22	-24	2	-11	-12	-09	-18	-23	8	-13	-16	-16	1	-06	5	-06	-11	-19	-09	8	19	-03	-08	10	-15	-20				-08.8
FESSENDEN	MAX	0	4	0	2	-02	0	15	5	-02	10	29	8	9	17	15	10	41	38	-02	20	35	28	27	25	20	18	20	20				14.6
	MIN	-24	-22	-25	-27	-22	-10	-12	-18	-12	-19	-06	-11	-19	-01	3	-09	3	-07	-25	-08	-05	2	-03	7	5	6	4	-11				-09.5
FORMAN	MAX	11	5	5	2	13	13	18	17	5	12	37	19	1	17	28	24	43	39	5	7	24	38	35	20	32	31	20	25				19.5
	MIN	-15	-19	-22	-25	-10	-05	-11	-02	-15	-23	4	-06	-12	-18	4	-09	-07	4	-04	-12	-04	9	8	3	-01	17	8	-09				-06.3
FORT YATES	MAX	6	3	2	4	3	10	23	15	2	12	28	16	5	23	25	19	46	40	5	6	24	43	34	31	31	28	26	27				19.3
	MIN	-18	-18	-29	-23	-25	-07	-06	-08	-07	-18	7	-05	-09	-13	10	-07	15	1	0	-10	6	3	21	7	4	20	19	10				-02.7
FOXHOLM WILDLIFE REF	MAX	1	-03	0	3	0	3	14	4	0	10	30	1	2	25	22	9	44	32	-02	-02	11	39	33	22	20	25	23	26				14.4
	MIN	-23	-23	-30	-24	-19	-14	-08	-16	-13	-23	1	-12	-22	-09	0	-12	0	-10	-23	-22	-10	-11	6	3	-03	18	11	8				-10.4
FULLERTON	MAX	5	12	1	1	10	7	15	12	6	15	31	14	4	9	18	27	41	35	8	8	25	35	32	22	31	30	23	27				18.4
	MIN	-17	-18	-19	-26	-02	-03	-12	-05	-13	-22	5	-04	-13	-19	2	-04	9	1	-03	-12	-01	7	20	4		12	10	6				-04.4
GACKLE	MAX	-04	4	1	3	0	15	10	1	8					18	21	16	42	39	2	1		36	36	18	26	28	19	20				15.4
	MIN	-22	-19	-26	-08	-08	-10	-11	-10	-20					-16	3	-07	11	-04	-09	-24		-01	17	2	1	12	0	-08				-06.4
GARRISON	MAX	8	1	-02	1	7	1	16	2	2	11	25	-02	2	26	19	13	47	4	3	1	16	38	16	20	25							12.4
	MIN	-24	-25	-26	-20	-18	-12	-04	-18	-18	-20	-02	-13	-13	-12	0	-09	5	-07	-16	-24	-01	-01	5	1	-01							-10.4

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GRAFTON STATE SCHOOL	MAX	5	-04	0	-06	3	9	10	10	-01	-02	24	21	-02	5	19	12	29	35	-01	-03	10	24	23	18	14	23	19	4				10.6
	MIN	-17	-30	-30	-30	-20	-07	-17	-08	-16	-30	-05	-12	-19	-21	0	-14	-12	-08	-10	-28	-07	-14	13	-10	-12	10	-01	-28				-13.7
GRAND FORKS CAA	MAX	0	2	-06	-02	1	7	11	1	-02	7	25	9	-02	11	18	4	32	23	-03	1	14	26	26	15	18	25	11	8				09.8
	MIN	-25	-26	-25	-27	-08	-14	-16	-08	-25	-27	7	-18	-19	-20	-04	-13	-02	-07	-17	-25	-10	3	15	-08	-09	10	-20	-25				-13.0
GRANVILLE	MAX	-01	-01	-07	-01	-09	6	15	4	-02	10	22	0	0	23	16	8	43	32	-04	-02	15	32	25	18	24	24	24	24				12.1
	MIN	-26	-30	-34	-28	-27	-15	-11	-20	-17	-22	0	-13	-21	-13	-01	-15	-01	-10	-20	-27	-10	-10	2	1	-04	16	5	-05				-12.7
GRENORA	MAX	-05	-04	0	0	7	2	4	4	2	35	12	8	7	28	22	10	40	22	-06	10	10	40	35	20	25	23	30	34				14.8
	MIN	-27	-21	-21	-08	-17	-20	-15	-18	-12	-17	0	-14	-17	-17	2	-08	-10	-25	-21	-24	-24	-05	8	4	-11	-06	6	14				-11.6
HANSBORO	MAX	0	-05	-03	-05	0	4	16	1	-07	1	19	8	-05	12	14	2	33	28	-06	-05	12	17	14	10	17	20	17	11				07.8
	MIN	-25	-27	-28	-27	-23	-11	-17	-19	-25	-30	-02	-21	-27	-18	-04	-18	-12	-14	-26	-31	-12	-12	3	-11	-04	11	-12	-17				-18.3
HETTINGER	MAX	7	5	8	5	8	16	29	20	16	26	36	3	-03	23	26	24	41	40	3	3	25	42	40	28	27	27	28	30				20.8
	MIN	-26	-22	-24	-20	-23	-15	-04	-15	-10	-15	2	-11	-17	-10	5	-09	18	-02	-03	-17	-02	4	14	-02	2	13	16	15				-05.8
HILLSBORO	MAX	4	1	2	-01	6	11	11	4	1	3	27	19	0	9	26	12	33	29	0	3	15	25	30	23	17	28						13.0
	MIN	-12	-26	-17	-24	-13	-05	-16	-05	-12	-26	1	-13	-18	-20	2	-10	-08	-05	-05	-18	-12	10	14	-08	-08	11						-09.3
JAMESTOWN CAA	MAX	-02	3	4	2	7	1	14	6	1	11	30	21	3	20	22	16	43	15	1	1	20	38	25	14	26	27	17	22				14.5
	MIN	-20	-22	-23	-25	-05	-13	-08	-10	-18	-21	20	-11	-15	-14	1	-05	10	-03	-15	-22	-12	-02	9	0	3	16	-05	-09				-07.8
JAMESTOWN STATE HOSP	MAX	3	2	1	1	5	4	14	9	1	12	28	8	5	20	22	14	44	38	2	0	24	38	31	15	26	28	22	22				15.7
	MIN	-17	-21	-20	-26	-03	-08	-11	-09	-09	-22	7	-08	-15	-13	8	-05	9	-01	-07	-20	-12	-01	15	0	-02	19	5	-08				-08.3
KENMARE	MAX	8	-07	8	7	7	2	11	12	4	6	29	15	0	7	25	10	13	42	2	1	-02	7	38	10	20	23	25	18				12.2
	MIN	-23	-23	-24	-24	-18	-18	-05	-17	-15	-16	-06	-14	-23	-13	6	-12	-12	-11	-23	-22	-14	-08	3	3	-01	8	10	10				-10.9
KENSAL WILDLIFE REFUGE	MAX	3	4	3	-01	0	-02	18	8	-04	8	28	8	5	19	15	12	40	38	4	2	20	37	25	14	25	23	19	20				14.0
	MIN	-22	-24	-23	-30	-13	-08	-16	-16	-16	-26	4	-10	-20	-16	5	-16	2	-04	-06	-25	-06	-08	12	-02	-07	17	3	-16				-10.3
LA MOURE	MAX	6	9	-01	3	9	6	15	11	5	13	34	13	5	12	28	20	42	34	5	5	24	35	32	21	29	30	22	27				17.6
	MIN	-17	-20	-21	-26	-04	-06	-13	-06	-14	-26	7	-10	-15	-19	5	-05	9	0	-15	-17	-05	2	19	1	-04	19	9	-10				-06.5
LANGDON EXP FARM	MAX	3	0	-05	-04	8	2	13	4	2	0	20	12	-03	9	12	2	34	30	-02	-07	10	19	17	8	16	23	15	10				08.9
	MIN	-26	-29	-26	-26	-17	-08	-16	-16	-15	-28	-04	-16	-27	-16	1	-15	-11	-12	-20	-30	-07	-12	8	-14	-06	10	-10	-22				-14.6
LARIMORE	MAX	3	1	3	4	4	6	10	3	8	2	23	14	3	11	19	6	37	37	-02	-04	17	28	23	13	18	24	17	12				12.1
	MIN	-19	-22	-17	-23	-13	-08	-12	-10	-15	-25	2	-14	-19	-18	0	-09	-07	-07	-10	-22	-09	-02	12	-07	-05	13	-08	-23				-10.6
LEEDS	MAX	-02	-03	-04	-02	-01	-01	11	5	-03	5	21	8	0	16	14	5	40	36	-02	-03	19	28	21	14	22	22	20	19				10.9
	MIN	-26	-25	-28	-31	-26	-13	-09	-18	-14	-22	4	-11	-21	-14	1	-12	-03	-08	-13	-28	-04	-08	8	-03	-03	16	-02	-20				-11.8
LINTON	MAX	0	10	5	5	8	4	16	10	4	14	16	8	3	20	27	16	51	40	2	5	24	42	33	15	29	28	23	24				17.2
	MIN	-20	-20	-28	-24	-22	-10	-10	-12	-06	-23	6	-09	-11	-14	0	-12	10	-01	-02	-16	4	1	15	8	1	21	18	8				-03.5
LISBON	MAX	8	5	2	-02	10	9	12	9	4	6	34	15	2	16	29	19	41	36	5	5	24	37	32	24	24	29	20	19				18.9
	MIN	-14	-20	-19	-26	-03	-04	-15	-06	-14	-27	-08	-06	-14	-22	-01	-08	5	1	-06	-15	-09	3	21	1	-08	18	8	-15				-07.3
MADDOCK AGR SCHOOL	MAX	-02	-02	-04	-04	0	0	14	3	-02	6	23	6	1	15	15	5	39	35	-02	-02	18	28	22	21	21	22	20	19				11.3
	MIN	-25	-31	-28	-30	-24	-11	-16	-21	-14	-27	5	-12	-20	-17	2	-10	-02	-09	-11	-30	-03	-11	9	-01	-06	15	-01	-13				-12.2
MANDAN EXP STATION	MAX	10	-07	0	3	0	2	3	19	2	0	18	27	-05	2	26	20	33	45	2	2	10	19	40	20	18	28	24	21				13.8
	MIN	-21	-22	-23	-19	-19	-15	-10	-13	-12	-20	-04	-09	-12	-11	-03	-09	-06	-03	-05	-24	-20	-04	1	5	-01	7	20	8				-08.7
MANDAN FT LINCOLN PARK	MAX	6	5	6	1	4	6	22	13	4	11	28	10	2	26	24	20	43	41	2	2	21	40	35	18	31	27	23	24				17.7
	MIN	-22	-24	-23	-21	-18	-09	-07	-14	-14	-20	6	-09	-14	-12	10	-09	12	-03	-08	-24	2	-05	12	5	-05	17	15	9				-06.2
MARMARTH	MAX	1	2	3	4	2	13	26	12		36	30	0			27	27	45	40	5	8	32	43	43	24	34	30	25	34				21.8
	MIN	-32	-33	-33	-25	-26	-23	-01	-23	-12	-15	0	-23	-10		5	-08	20	-02	-05	-20	-05	5	22	-04	-01	15	19	15				-07.4
MAX	MAX	8	-08	1	-09	2	3	4	16	0	-02	17	23	-05	0	23	19	21	39	2	2	5	16	23	12	18	23	21	24				10.6
	MIN	-25	-25	-23	-21	-19	-17	-11	-18	-18	-17	-12	-11	-13	-14	-08	-12	-14	-08	-09	-26	-15	-02	5	2	0	1	7	9				-11.2
MAYVILLE	MAX	-09	1	3	-02	4	8	11	7	-01	-01	27	18	1	9	24	10	35	33	-03	1	16	29	25	20	18	24	19	10				12.0
	MIN	-16	-22	-20	-29	-13	-08	-12	-07	-09	-27	-01	-12	-18	-19	5	-07	-02	-04	-06	-22	-16	8	15	-04	-07	14	-02	-24				-09.5
MC CLUSKY	MAX	8	-06	4	-03	0	-02	6	12	-01	-02	26	25	7	4	14	15	37	42	-01	0	12	18	33	16	16	23	21	18				12.2
	MIN	-25	-23	-25	-20	-18	-15	-12	-18	-14	-19	-04	-11	-16	-15	3	-12	-02	-06	-07	-25	-11	-03	10	2	-01	10	11	-03				-09.6
MC HENRY 6 N	MAX	2	0	-05	-03	-02	0	11	4	-03	3	22	10	-03	15	14	8	38	35	-04	-03	14	28	26	12	21	25	17	18				10.8
	MIN	-23	-27	-23	-26	-15	-08	-15	-14	-12	-25	0	-11	-21	-17	3	-10	-05	-07	-08	-24	-04	-08	11	-07	-06	15	1	-18				-10.9
MC LEOD 3 E	MAX	5	10	0	-06	-02	14	14	12	11	5	5	35	28	33	32	28	35	33	7	6	23	33	30	28	15	30	20	13				17.8
	MIN	-14	-24	-22	-20	-24	-06	-02	-05	-03	-10	-27	3	-06	-14	-05	-08	2	-05	-05	-20	-10	4	15	1	-08	6	5	-18				-07.9
MEDORA STATE PARK	MAX	-07	4	-03	11	0	2	27	2	-03	36	28	0	-04	27	24	32	57	45	-02	-06	26	48	40	34	38	30	30	28				19.4
	MIN	-30	-26	-32	-24	-25	-24	2	-24	-12	-20	0	-20	-14	-04	5	-09	32	-05	-10	-17	-08	17	9	-05	6	17	11	11				-07.1
MEDORA T R N M P	MAX	5	7	9	12	7	12	24	10	8	37	38	3	3	28	24	26	52	47	5	6	27	48	40	27	35	32	29	34				22.7
	MIN	-34	-33	-33	-26	-28	-25	-09	-26	-15	-21	2	-13	-15	-07	2	-17	24	-04	-07	-19	-11	-05	10	-08	0	12	17	9				-10.0
MINOT CAA	MAX	-10	-05	0	3	-03	2	12	2	-05	16	27	-04	1	24	16	7	43	4	-05	-01	9	34	26	22	23	24	21	28				11.1
	MIN	-22	-20	-24	-18	-18	-15	-07	-16	-16	-16	-04	-15	-16	-07	-02	-10	4	-08	-20	-22	-05	-08	4	3	2	18	4	7				-09.8
MINOT EXP FARM	MAX	4	0	-01	3	-04	-01	15	3	-05	9	27	0	-02	22	20	9	40	33	-03	-03	10	32	32	18	25	24	23	25				12.7
	MIN	-23	-22	-25	-18	-18	-15	-09	-17	-13	-18	0	-11	-16	-10	0	-10	2	-09	-17	-25	-08	-05	5	2	0	18	10	5				-08.8
MOHALL	MAX	-08	-02	-03	-06	-04	1	9	-01	-06	9	17	5	-02	20								18	13	23	23	23	22	27				08.5
	MIN	-26	-25	-28	-25	-26	-18	-09	-19	-20	-21	-03	-18	-24	-13					-19			-09	2	0	-03	18	1	1				-12.9
MOTT RR STATION	MAX	2	-01	5	6	4	10	22	11	10	15	32	4	-01	24	22	21	42	40	4	4	20	45	38	20	32	26	30	31				18.5
	MIN	-25	-28	-23	-21	-21	-16	-08	-12	-11	-20	0	-11	-12	-10	0	-10	16	-05	-06	-17	-02	0	10	-04	-02	10	16	10				-07.2
MUNICH 4 SW	MAX	0	-04	-07	-06	3	0	14	1	-03	0	19	10	-04	9	10	1	32	31	-07	-05	4	19	19	7	17	17	14	10				07.2
	MIN	-26	-31	-26	-26	-19	-15	-15	-17	-18	-18	-03	-13	-24	-18	1	-19	-10	-11	-17	-31	-07	-11	7	-11	-02	12	-08	-22				-14.2
NAPOLEON 2 SE	MAX	4	6	-04	6	5	2	14	5	1	7	21	5	-03	13	18	14	38	36	1	4	20	32	32	14	26	28	20	18				13.7
	MIN	-24	-20	-25	-24	-15	-10	-11	-16	-12	-19	4	-11	-16	-14	5	-10	9	-05	-09	-25	3	0	12	1	0	17	5	-06				-07.7
NEW ENGLAND	MAX	14	6	10	9	12	18	23	11	15	27	38	11	1	25	27	25	49	41	8	5	24	49	41	22	31	29	29	33				22.6
	MIN	-26	-22	-23	-18	-20	-18	-02	-17	-07	-16	2	-12	-16	-10	8	-12	-10	-04	-06	-12	-03	2	12	5	1	10	17	9				-06.7
NEW SALEM 1 S	MAX	-05	4	5	4	3	0	23	4	-01	10	31	2	3	10	7	25	44	36	1	0	20	40	38	22	26	25	26	25				15.3
	MIN	-24	-22	-18	-16	-16	-14	-03	-14	-14	-15	2	-10	-14	-10	-15	-10	12	-06	-15	-22	0	12	9	0	3	12	10	9				-06.8
OAKES WATER WORKS	MAX	15	-01	-11	-01	5	11	3	15	11	5	16	38	1	3	15	32	21	43	7	7	10	22	37	33	16	33	27	20				15.5
	MIN	-14	-23	-19	-24	-20	-02	-17	-15	-13	-26	-25	-01	-13	-22	-19	-03	-04	7	-03	-11	-07	3	6	5	-04	-03	13	-08				-09.4
PARK RIVER	MAX	6	-06	5	1	3	6	12	12	-02	-02	23	20	20	9	16	9	38	37	-02	-03	11	22	22	12	14	22	19	8				11.9
	MIN	-17	-23	-20	-18	-14	-18	-11	-10	-13	-20	-02	-11	-18	-18	9	-10	0	-06	-11	-24	-06	-10	12	-06	-04	12	-04	-22				-10.1

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5–Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PARSHALL	MAX	3	-05	-01	0	1	2	12	3	3	20	26	1	1	25	22	7	47	32	0	0	12	35	31	20	23	25	23	28				14.1
	MIN	-24	-27	-29	-20	-19	-17	-09	-20	-12	-20	1	-12	-15	-12	1	-15	7	-09	-12	-27	-10	-05	8	-02	-02	15	18	15				-09.0
PEMBINA CAA	MAX	0	-06	1	-02	-02	0	9	-02	-07	9	20	5	-05	9	16	1	26	10	-07	-04	12	22	22	5	16	22	10	5				06.6
	MIN	-26	-27	-21	-27	-16	-13	-14	-14	-26	-31	5	-20	-26	-18	-03	-08	-07	-10	-15	-26	-04	-13	5	-11	-08	10	-15	-24				-14.0
PETERSBURG	MAX	0	-02	0	1	1	1	11	0	-01	4	25	10	3	11	15	5	35	32	12	6	15	27	22	9	17	22	14	12				11.0
	MIN	-22	-26	-25	-12	-12	-07	-16	-06	-17	-26	3	-15	-20	-15	-03	-12	-01	-09	-03	-25	-06	-03	7	-11	-05	9	1	-19				-10.6
PETTIBONE	MAX	16	5	-04	5	5	2	19	10	-03	10	27	5	3	13	27	17	42	36	0	-03	21	34	30	13	27	20	20	21				14.9
	MIN	-22	-25	-23	-26	-16	-09	-14	-16	-15	-24	5	-10	-18	-15	3	-12	10	-08	-07	-27	-03	-05	11	1	-05	17	9	-07				-09.0
PORTAL	MAX	4	-09	-01	6	8	-01	8	5	-02	-02	32	7	-07	11	23	2	12	39	-07	-12	-02	10	40	10	22	21	23	16				09.1
	MIN	-28	-29	-24	-23	-19	-23	-22	-22	-14	-19	-07	-18	-28	-22	0	-15	-13	-15	-23	-29	-14	-10	8	5	2	7	11	11				-13.3
POWERS LAKE	MAX	-03	-11	-04	-04	0	0	10	-04	-04	10	30	-03	1	22	20	2	42	42	-06	-04	10	37	35	22	20	22	24	23				11.8
	MIN	-28	-26	-28	-19	-21	-22	-14	-19	-13	-19	-03	-15	-30	-14	-02	-16	2	-14	-27	-29	-11	-12	-10	2	-03	15	10	4				-12.9
RICHARDTON ABSEY	MAX	6	2	9	9	-01	5	24	6	2	15	34	3	-01	24		19	42	40	4	2	21	42	40	22	27	26	25	26				17.5
	MIN	-23	-17	-17	-15	-16	-13	-13	-13	-09	-15	2	-12	-17	-10	8	-04	12	-07	-09	-16	-03	6	11	-03	3	16	17	11				-05.2
RIVERDALE	MAX	1	-01	1	1	7	2	12	6	0	9	25	2	0	24	24	10	43	41	1	0	17	36	36	22	24	25	27	25				15.0
	MIN	-23	-23	-24	-19	-18	-16	-08	-17	-13	-17	0	-12	-16	-11	8	-08	6	-07	-07	-21	-08	1	10	1	-01	16	18	11				-07.1
ROLLA	MAX	0	-02	-02	-04	6	9	16	6	-04	2	21	4	-05	12	16	4	36	23	-04	-07	11	16	12	15	18	21	18	12				08.9
	MIN	-22	-25	-29	-26	-18	-14	-14	-15	-16	-25	-21	-16	-23	-20	-03	-17		-12	-22	-28	-10	0	4	0	2	14	-08	-15				-14.0
RUGBY 1 N	MAX	5	-04	-10	1	0	0	15	5	0	12	15	5	-03	15	16	4	35	26	-02	3	15	10	25	10	22	25	16	20				10.0
	MIN	-24	-29	-33	-29	-24	-14	-15	-19	-13	-22	-12	-13	-22	-11	4	-13	-02	-12	-17	-32	-02	-08	6	0	-03	10	1	-06				-12.6
SANISH	MAX	8	-09	-02	-06	-03	-03	5	12	7	2	22	24	-06	6	26	15	20	46	3	-02	2	12	27	15	18	24	24	22				11.0
	MIN	-22	-32	-31	-30	-20	-21	-19	-21	-21	-18	-08	-10	-22	-22	-06	-10	-10	-07	-09	-27	-21	-15	2	-04	-08	0	14	8				-13.9
SHARON	MAX	-13	0	-03	-06	10	4	11	4	-03	0	23	12	3	11	17	5	38	35	4	0	20	30	27	14	20	25	16					11.3
	MIN	-19	-25	-20	-24	-08	-12	-15	-12	-13	-24	-01	-14	-18	-14	5	-10	-05	-05	-08	-22	-09	2	12	-08	-04	12	-09					-09.9
STANLEY	MAX	-12	-11	1	-01	0	-02	9	1	-02	12	28	-06	0	22	15	9	42	4	-05	-03	4	37	34	21	21	23	20	25				10.2
	MIN	-29	-30	-28	-24	-24	-22	-12	-20	-21	-20	-11	-21	-25	-16	-06	-17	1	-14	-24	-30	-10	-09	1	-07	-06	13	10	12				-13.9
STEELE	MAX	3	6	-01	6	-01	0	14	5	2	10	25	25	1	14	10	15	41	36	2	3	20	33	28	13	29	24	20	20				14.4
	MIN	-23	-25	-24	-22	-18	-11	-14	-14	-15	-22	8	-10	-15	-15	-12	-14	10	-04	-09	-21	0	-05	8	3	-04	18	8	8				-08.4
TOWNER	MAX	-09	-07	-02	-07	5	-02	15	9	-08	10	8	3	2	20	18	11	42	35	-01	-02	25	32	18	24	11	24	22	22				11.4
	MIN	-24	-28	-32	-31	-27	-12	-04	-22	-22	-21	-20	-21	-11	-21	-09	-11	2	-09	-18	-28	-10	-01	-05	2	-07	-01	7	-08				-14.0
TURTLE LAKE	MAX	5	1	-05	1	3	0	15	7	0	7	23	3	1	21	21	10	41	40	0	-01	17	34	34	17	26	25	23	22				14.0
	MIN	-28	-27	-29	-26	-22	-16	-11	-20	-14	-20	2	-14	-18	-14	0	-11	5	-07	-08	-26	-06	-06	9	2	-05	15	10	0				-10.2
UNDERWOOD 12 W	MAX	11	-05	-08	0	0	2	19	5	0	11	29	9	-02	24	20	10	43	44	1	3	17	40	33	19	27	27	26	28				15.5
	MIN	-20	-32	-32	-29	-28	-10	-04	-17	-17	-24	0	-10	-16	-13	-01	-19	10	-06	-07	-31	-09	-08	9	2	7	12	15	12				-09.5
UPHAM WILDLIFE REFUGE	MAX	4	-06	-07	-02	-04	0	15	5	1	7	15	3	-01	21	19	5	41	32	0	-05	14	27	15	16	21	28	23	22				11.0
	MIN	-28	-36	-38	-35	-29	-14	-18	-22	-16	-31	2	-13	-28	-19	1	-18	-03	-19	-25	-33	-11	-16	8	0	-09	15	8	-10				-15.6
VALLEY CITY	MAX	10	6	6	2	7	8	16	15	3	7	30	16	0	15	25	18	40	38	6	4	25	34	33	22	26	29	20	20				17.1
	MIN	-15	-21	-17	-25	-02	-01	-09	-07	-09	-25	2	-08	-14	-14	4	-05	4	-01	-08	-18	-08	6	21	-01	-03	18	-02	-15				-06.2
VAN HOOK	MAX	3	-02	4	0	0	1	13	4	5	13	27	2	3	27	22	8	47	32	2	1	13	31	25	21	22	26	24	28				14.4
	MIN	-26	-28	-21	-20	-20	-18	-07	-20	-14	-17	2	-11	-18	-13	5	-12	7	-07	-11	-26	-10	-04	8	-01	-03	17	17	13				-08.5
VELVA	MAX	3	-01	-02	4	-06	4	18	5	-06	9	28	2	3	23	18	9	42	32	-02	-01	17	37	30	18	25	24	24	25				13.6
	MIN	-22	-26	-33	-28	-27	-13	-08	-16	-14	-23	1	-12	-17	-08	2	-12	4	-07	-14	-24	-05	-08	8	3	-05	20	13	-03				-09.8
WAHPETON STATE SCHOOL	MAX	10	3	3	-03	16	20	15	15	9	6	35	32	-01	16	29	24	34	34	5	4	22	30	34	30	22	30	22	14				18.2
	MIN	-11	-18	-22	-25	-05	3	-11	-03	-09	-24	2	-08	-14	-18	5	-08	2	-03	-05	-17	-17	12	21	0	-07	19	4	-20				-06.3
WASHBURN	MAX	5	1	-04	3	3	2	21	8	1	11	27	4	3	26	24	14	46	43	17	2	19	37	34	18	28	25	26	25				16.8
	MIN	-21	-18	-24	-18	-20	-12	-04	-18	-13	-15	2	-10	-15	-11	6	-09	12	-04	-08	-23	0	2	9	4	2	17	14	11				-05.8
WATFORD CITY	MAX	4	0	2	12	4	8	12	7	4	29	36	2	3	27	22	17	44	30	0	5	18	44	39	24	26	26	27	34				18.1
	MIN	-25	-26	-26	-13	-18	-20	-04	-18	-12	-14	0	-14	-18	-11	-02	-13	9	-08	-11	-23	-11	-03	9	-01	-01	17	18	11				-08.1
WESTHOPE	MAX	-09	-07	-12	-08	-05	0	13	1	-05	10	13	1	-03	22	18	7	35	6	-04	-06	10	17	14	17	19	25	20	22				07.5
	MIN	-28	-30	-32	-27	-23	-18	-11	-24	-20	-24	0	-20	-30	-17	-06	-20	-02	-12	-21	-32	-07	-08	6	2	-04	7	-05	-07				-14.8
WILLISTON WB CITY	MAX	-07	-05	0	8	2	4	8	2	2	29	28	-05	0	27	17	20	45	2	-04	5	11	42	32	19	26	25	23	33				13.8
	MIN	-23	-24	-23	-12	-17	-18	-09	-18	-10	-07	-05	-15	-21	-07	-02	-09	2	-07	-20	-20	-08	-01	3	-02	1	15	17	14				-08.0
WILLOW CITY	MAX	-09	-10	-11	-07	-03	-05	16	2	4	8	15	5	2	20	17	5	35	14	-01	-02	17	20	17	14	21	25	21	23				09.0
	MIN	-27	-38	-40	-35	-29	-19	-18	-21	-18	-32	4	-18	-27	-21	-05	-12	0	-10	-23	-35	-10	-15	6	2	-10	-16	-05	-16				-16.3
WILTON RR STATION	MAX	10	-09	4	3	1	2	1	17	1	1	16	29	-06	1	21	18	19	44	-01	0	7	18	32	16	14	23	22	21				11.6
	MIN	-23	-25	-19	-20	-15	-13	-11	-15	-16	-21	-11	-11	-16	-17	-16	-06	-05	-06	-08	-20	-16	-03	5	2	-03	2	15	6				-10.2
WISHEK	MAX	15	-08	6	2	8	8	8	20	5	6	22	34	-05	2	13	21	20	40	5		6	23	38	33	14	29		23				14.9
	MIN	-21	-22	-22	-30	-24		-16	-11	-11	-24	-12	-07	-13	-16	-09	-08	-04	-02	-05		-16	1	5	3	-04	7		-10				-10.8

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 08			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0098	MC KENZIE	15	47 50	103 38	1200		8A	ARTHUR J BAUMAN	5
ALMONT 7 W	0138	MORTON	4	46 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 8
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 57	103 48			7P	E A HURY	3
AMIDON	0209	SLOPE	1	46 29	103 19	2908	5P	5P	STANLEY W BALE	2 3 5
ARVILLA STATE PARK	0389	GRAND FORKS	10	47 56	97 30	960	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	98 22	2025	HA	HA	SOO LINE AGENT	2 3 4 5
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR RR STATION	0492	MC HENRY	12	47 57	100 32		MID	C G THOMSON		3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F HODGIN	2 8 5
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	89 45	1860	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	8	47 16	101 47	1780			KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1601	6P	6P	ROSS&T L PETERSON	2 3 5
BISMARCK WB CITY	0B14	BURLEIGH	8	46 48	100 48	1670	10A	10A	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 48	100 45	1650	MID	MID	O S WEATHER BUREAU	2 3 4 5
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N O SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	2 3 5
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O B HOOK	2 3 4 5
BRIEN	1052	MORTON	1	46 23	100 57	1718		8A	MELVIN NELSON	2 3 5
BUTTE	1225	MC LEAN	12	47 50	100 40	1740	6P	6P	M O ANDERSON	2 3 5
CARRINGTON	1560	FOSTER	5	47 27	99 08	1579	7A	7A	300 LINE AGENT	2 3 5
CARSON 2 SW	1370	GRANT	4	46 23	101 85	2500	7P	7P	J W EVENS	2 3 5
CASSELTON	1400	CASS	10	46 54	97 13	834	5P	5P	NALLACE G SWEENEY	2 3 5
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	B J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G E HAMAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON W NICHOLS	2 3 5
DANSON	2018	KIDDER	8	46 52	99 45	1730		MID	LOUIS J BILLINGTON	3 4 5
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	O S WEATHER BUREAU	2 3 4 5
DICKINSON CAA	2183	STARK	4	46 48	102 48	2587	MID	MID	CAA	2 3 4 5
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2385	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R GOMMARS	2 3 5
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N O STATE HOSP	2 3 5
DUNMAN	2472	BOTTINEAU	12	48 33	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N O AGRI EXP STA	2 3 5
EDWORR 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	8	47 35	102 03	2082	6P	6P	E W CASE	2 3 5
ELLENDALE NORMAL SCE	2605	DICKEY	5	46 00	98 31	1457	8P	8P	J E OLDWER	2 3 5
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 3 5
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2839	CASS	10	46 54	96 46	895	MID	MID	U S WEATHER BUREAU	2 3 4 5
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBEB	2 3 5
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5
FORT YATES	3207	SIOUX	8	46 05	100 38	1670	6P	6P	P J JACOBSON	2 3 5
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	O S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1438	6P	6P	F O ALIN	2 3 5
GACKLE	3303	LOGAN	5	46 38	89 08	1951	6P	6P	OAVID R RAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	MID	MID	MAE R VORACHEK	2 3 4 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	NICS GAUEB	3 4
GOLVA	3558	GOLDEN VALLEY	7	46 44	103 59	2781	7P	8A	CHESTER K PUDA	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	OR J C LAMONT	2 3 5
GRAND FORKS CAA	3616	GRAND FORKS	10	47 58	97 05	834	MID	MID		2 3 4 5
GRAND FORKS ONIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINER	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FREO ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	8	47 21	102 20	2073		6P	JOHN B1586	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	86 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	SOMER A BENSON	3 4
HANNAE	3938	CAVALIER	9	48 59	3B 41	1568	6P	6P	A E PRIOR	2 3 5
HANSBORO	3863	TOWNER	3	48 57	89 23	1597	7P	7P	W S OISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	H J REYNOLDS	3
HAZELTON RR STATION	4083	EMMONS	B	46 29	100 17	197B		MID	EPHRAIN ZACHEB	3 4
HETTINGER	417B	ADAMS	3	46 00	102 38	2675	6P	6P	EDGAR MARTIN	2 3 5
HILLSBORO	4203	TRAILL	10	47 24	B7 04	901	6P	BP	ALFRED JAENKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1B15		MID	MRS E RUTH BUCHWITZ	3 4
JAMESTOWN CAA	4415	STUTSMAN	5	46 55	98 41	1497	MID	MID	CAA	2 3 4 5
JAMESTOWN STATE HOSP	441B	STUTSMAN	5	46 53	9B 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	9B 52	1440	7P	7P	O S WILDLIFE REF	2 3 5
KRAMER 5 BE	4823	BOTTINEAO	12	48 39	100 37		MID	MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	4B 21	98 18	1382	7P	7P	ANDREW RENICK	2 3 5
LANGDON EXP FARM	495B	CAVALIER	B	4B 45	98 21	1615	5P	5P	V STURLAOGSON	2 5 5
LARIMORE	5013	GRAND FORKS	10	47 54	97 5B	1134	7P	7P	JEBSE P PEILLIPS	2 5 5
LEEDS	5078	BENSON	2	4B 17	99 28	1515	7P	7P	JOHN FAGER	2 8 5
LINTON	5210	EMMONS	B	4B 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5
LISBON	5220	RANSOM	11	4B 28	97 41	1091	7A	7A	ROBERT W JODSAAS	2 3 5
MADDOCK AGE SCHOOL	5454	BENSON	11	47 58	9B 30	1604	6P	6P	BENSON CY AGR SCHOOL	2 3 5
MANDAN EXP STATION	5478	MORTON	4	46 4B	100 54	1750	HA	8A	NO G P FIELD STA	2 3 4 5 8
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	8P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 46			6P	MIBS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	BP	S P GRANE	2 3 5
MAX	583B	MC LEAN	8	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
MAYVILLE	5880	TRAILL	10	47 30	97 19	875	6P	6P	H A RAGAZ	2 3 5
MC CLUSKY	5710	SHERIDAN	8	47 28	100 28	1943	11A	11A	J A HAMILTON	2 3 5
MC GREGOR RR STATION	5720	WILLIAMS	8	48 38	102 58			MID	BARTVIN E BERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	88 35	1509	8P	8P	C 8 BLASKY	2 3 5
MC LEOD 5 E	5734	RICHLAND	11	46 24	87 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 48	98 11	1487		8P	H E KNIEFEL	3
MEDINA 1 W	5788	STUTSMAN	8	46 53	89 19			6P	RUDOLPE GRAF	3
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	2 3 5
MEDORA TRNMP	5813	BILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5
MILNOR	5933	SARGENT	10	48 16	97 28	1117	6P	8P	E W WILSON	CLOSED
MINOT CAA	5988	WARD	12	48 15	101 17	1724	MID	MID	CAA	2 3 4 5
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGE	8	48 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1639	9P	9P	IVER JOHNSON	2 3 5
MONTPELIER	6105	STUTSMAN	5	46 42	88 35			8A	ROLF HANSON	3
MOTT RR STATION	6155	HETTINGER	1	46 22	102 20	2440	6P	6P	NORTHERN PAC AGT	2 3 4 5
MUNICE 4 SW	6185	CAVALIER	2	48 38	98 53	1588	7P	7P	HAROLD FELDVER	2 3 5
NAPOLEON 2 SE	6255	LOGAN	8	46 28	99 43	1955	7P	7P	GLADYS J PETERSON	2 3 5
NEW ENGLAND	6315	HETTINGER	1	48 33	102 52	2621	8A	8A	ADNA S HATCH	2 3 5
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	89 15	1550	6P	6P	RICHARD STEINDACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 5
OAKES WATER WORKS	6620	DICKEY	5	46 08	98 05	1318	8A	8A	C W HAGEN	2 3 5 5
OMEMEE 3 SE	6703	BOTTINEAU	12	48 38	100 20			MID	ARTHUR S VOLLMER	3 4
PARK RIVER	6857	WALSH	10	48 23	97 45	898	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 5
PEMBINA CAA	6947	PEMBINA	10	48 57	97 15	792	MID	MID	CAA	2 3 4 5
PETERSBURG	7027	NELSON	10	48 01	88 00	1524	7P	7P	T C OVERLAND	2 3 5
PETTIBONE	7047	KIDDER	8	47 07	99 31	1856	7P	7P	L E OETHLOFF	2 3 5
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5
POWERS LAKE	7281	BURKE	8	48 34	102 38	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCS	7311	GRANT	1	46 11	101 51			6P	FREOA LEER	3
RAUB	7406	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	7P	7P	ASSUMPTION ABBEY	2 3 4 5
RIVERDALE GARRISON OAM	7585	MC LEAN	8	47 30	101 24	1310	5P	5P	CORPS OF ENGINEERS	2 3 4 5
ROLLA	7864	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO B FAGERLUND	2 3 5
RUGBY 1 N	7704	PIERCE	12	48 23	100 00	1542	8P	9P	BOYD C HANK	2 3 5
RYDER	7749	WARD	8	47 55	101 40	2108		9A	S C SCHELLENBAUM	3
SANISB	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	B J SUGGE	2 3 5
SARLES 3 E	7844	CAVALIER	9	48 55	98 36			MID	KARLE M TERLEAVKN	3 4
SEARING	7844	MC KENZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE	7852	SIOUX	8	46 02	100 56	2183		7P	J B SMITH	4
SHARON	7986	STEELE	10	47 36	97 54	1516	8P	8P	HUGE LYON	2 3 5
SHERWOOD	8047	RENVILLE	12	48 00	101 38	1847		6P	U S CUSTOMS SERV	3
STANLEY	8276	MOUNTRAIL	8	48 18	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5
STEELE	8366	KIDDER	8	46 51	98 55	1857	8P	8P	LEON V LESHER	2 3 5
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARO	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2278		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST 8 RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S RAAS	2 3 5
TUTTLE 8 6W	8850	KIOOER	8	47 02	100 04	1836		8P	ADAM LENO	3
UNDERWOOO 12 W	8877	MC LEAN	8	47 36	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPHAM WILDLIF8 REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	8P	8P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5
VERONA	9035	LA MOURE	5	46 22	88 04			10A	LOUIE J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962		MID	NEWTON O JONES	3 4
WAHPETON STATE SCHOOL	8100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCE OF SCIENCE	2 3 5
WALHALLA	9155	PEMBINA	9	48 56	87 55	986		7P	PETER PAULUS	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED P JEFFERIS	2 3 5
WATFORD CITY	8233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5
WESTHOPE	9333	BOTTINEAO	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	8400	WILLIAMS	8	48 38	103 10	2258		6P	JONATHAN WINEJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 35	1877	MID	MID	U S WEATHER BUREAU	2 3 4 5
WILLOW CITY	8445	BOTTINEAU	12	4B 3B	100 17	1471	8P	8P	O M SANDERSON	2 3 5
WILTON RR STATION	B455	MC LEAN	B	47 OB	100 48	2159	BA	8A	SOO LINE AGENT	2 3 5
WISBEK	B515	MC INTOSE	8	46 16	99 34	2010	&A	8A	B M LARSON	2 3 5

‡ DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See reference notes following Table 2.

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CLIMATOLOGICAL DATA

NORTH DAKOTA

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MARCH 1949
Volume LVIII No. 3

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CHICAGO: 1949

NORTH DAKOTA - MARCH 1949

F. J. Bavendick, Section Director, Bismarck

GENERAL SUMMARY

March this year was a cool and dry month with only one major storm period from the 23rd to the 25th in which heavy snow fell in northern sections and rain in southern sections. Considerable local flooding began to occur on the tributaries of the Missouri by the end of the month with Mandan most affected.

The month opened with a period of above normal temperature and very little precipitation and wind. Considerable thawing occurred and it was generally excellent weather for outdoor work. Practically all roads in the state were opened. The Army's operation "Snowbound" which had been operating in the state since the middle of February completed its work in the northern and eastern counties by about the 15th. After the first week of warm weather the temperature fluctuated above and below normal to the end of the month and generally averaged below normal. Precipitation was very light until the 23rd to 25th when from 4 to 8 inches of snow fell in northern sections and moderate rains fell in southern portions. Some freezing rain occurred during this period making highways quite slippery and dangerous. Warmer weather prevailed during the last week especially in southwestern part of the state. Run-off from snow melt began to be felt on the streams. Local flooding was occurring on most tributaries of the Missouri in southwest N. Dakota the last few days of the month. The snow was all gone from southern and western portions by the end of the month except for some large drifts in a few areas. Considerable snow reamined on the level along with huge drifts in the northern and northwestern sections where the snowfall had been the heaviest and the temperature had been consistently cold throughout the month resulting in relatively little thawing. The temperatures averaged 2.5 degrees below normal in the eastern division, 3.3 degrees below normal in the middle division, and 2.3 degrees below normal in the western division. Precipitation averaged below normal for the month. The eastern division was .15 inches below normal, the middle division was .18 inches below normal, and the western division was .23 inches below normal.

There was some difficulty feeding livestock in some northern counties due to the heavy snow cover which had practically isolated hay stacks during the early part of the month. However, the fine weather early in the month was favorable for opening of roads, hence this situation did not prevail long. In general there was plenty feed for livestock and they came through the winter in generally fine condition.Roads continued open most of the time after the initial opening near the beginning of the month. The storm on the 23rd to the 25th blocked several roads for a time again, but no hardships resulted.

The end of March ushered in the beginning of the flood season. With the warm weather over the southwest the tributaries of the Missouri rose rapidly to bankfull stages. Local flooding occurred on nearly all streams during the last few days of the month. The greatest flood damage occurred in Mandan when the Heart river flooded due to ice jams to the west and in the dike system of Mandan. The lowlands between Mandan and Bismarck were flooded by the 29th and U. S. Highway number 10 was closed to traffic. About 100 houses were flooded in south Mandan. The Missouri river ice was still solid at the close of the month though the river had been rising for several days. The run-off from melting snow was quite slow due to the cool weather and resulted in large quantities of water getting away without contributing to the floods. As a consequence the floods in southwestern N. Dakota were not nearly as great as might have been expected from the heavy snow cover which had prevailed through the winter.

TEMPERATURE

The mean temperature for the state was 21.9°, which is 1.9° below normal for the month. The monthly mean temperatures ranged from 28.5° at Fort Yates to 15.6° at Hansboro. The highest temperature recorded in the state was 55° at New England, on the 27th, and the lowest -22° at Upham and Willow City on the 15th.

PRECIPITATION

The average precipitation for the state was 0.60 inch, which is 0.18 inch below normal for March. The total amounts recorded at various stations ranged from 1.55 inches at Sherwood to 0.02 inch at Grenora. The heaviest rainfall reported in any one day was 0.79 inch at Beulah on the 23rd. The monthly average of snowfall was 5.7 inches or 0.4 inch less than normal. The greatest monthly amount was 12.5 inches at Cavalier;the least a trace at Center. The greatest depth on the ground was 46 inches at Eckman on the 1st, 2nd and 3rd.

ACKNOWLEDGMENTS

In addition to tbe climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations wbicb were formerly reproduced in tbe Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type wbicb produce continuous records of precipitation. It was established in 1939 at tbe request of tbe Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity wbicb were essential to the planning of flood control and related works by the Corps of Engineers. Tbis Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau througb working funds transferred annually to tbe Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For tbe years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 tbe Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin Series, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) whicb were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was establisbed to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of tbe Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records publisbed in this bulletin bave been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes—inches				Wind speed—m. p. h.				Relative humidity averages—percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 a. E.S.T.	Percent of possible	
BISMARCK AIRPORT	30.76	14	29.49	27	10.2	33	W	27	84	84	70	73	54	1269
DEVILS LAKE	30.62	14	29.48	7	8.3	26	N	7	-	-	-	-	44	1478
FARGO AIRPORT	30.58	14	29.44	25	12.9	31	W	25	86	84	76	80	51	1329
WILLISTON	30.72	14	29.45	27	6.0	23	NW	7	-	-	-	-	68	1253

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	24.2	66	-35	0.83	1.9	4
1893	13.9	68	-35	0.95	10.0	5
1894	24.8	69	-22	1.45	10.1	5
1895	23.2	75	-35	0.17	1.0	2
1896	15.7	70	-35	1.13	8.0	8
1897	11.9	58	-48	1.36	8.0	7
1898	21.3	79	-24-	0.79	6.7	5
1899	7.5	72	-30	0.96	10.0	5
1900	20.3	77	-24	1.01	8.5	5
1901	25.3	85	-32	0.86	5.2	5
1902	27.4	65	-25	2.73	11.7	8
1903	22.1	80	-24	0.55	5.1	3
1904	18.2	64	-26	1.41	11.5	5
1905	32.5	81	-25	0.75	2.3	4
1906	18.5	67	-34	0.38	3.1	3
1907	23.1	83	-20	0.72	5.1	4
1908	21.1	68	-31	1.21	12.1	8
1909	24.0	61	-24	0.33	2.7	4
1910	41.3	90	- 7	0.94	0.3	3
1911	30.6	78	-18	0.23	1.6	2
1912	15.4	65	-28	0.37	3.6	3
1913	17.2	70	-31	0.85	8.2	6
1914	25.5	76	-20	0.88	9.2	5
1915	22.9	63	-23	0.22	2.0	2
1916	20.3	69	-45	1.42	13.5	6
1917	22.2	67	-39	0.38	3.9	3
1918	35.0	82	-15	0.40	2.9	2
1919	17.8	67	-35	0.78	6.2	4
1920	22.4	67	-32	0.83	7.1	4
1921	25.2	75	-22	0.97	9.1	6
1922	25.8	60	-30	0.71	6.4	4
1923	18.3	65	-35	0.38	4.8	4
1924	22.5	58	-20	0.48	4.4	4
1925	27.4	75	-26	0.68	6.0	4
1926	25.8	83	-23	0.24	1.8	3
1927	30.4	77	-10	0.72	6.5	5
1928	28.1	85	-17	0.52	4.8	3
1929	30.5	77	-15	0.78	5.3	5
1930	26.1	62	-17	0.09	0.9	1
1931	25.7	63	-24	0.94	4.8	5
1932	18.9	64	-30	0.64	6.0	6
1933	28.5	70	-14	0.45	3.7	3
1934	26.3	74	-12	0.49	3.6	4
1935	26.3	75	-37	1.26	7.0	5
1936	25.4	61	-27	0.81	8.1	6
1937	24.8	72	-20	0.39	4.3	3
1938	33.1	72	-14	0.59	2.5	4
1939	23.3	81	-29	0.39	5.3	3
1940	23.1	64	-26	0.87	9.1	7
1941	24.5	68	-25	0.58	6.8	5
1942	30.0	66	- 8	1.83	12.8	9
1943	17.0	77	-30	1.23	14.8	7
1944	16.7	53	-25	0.81	10.2	8
1945	33.3	77	-27	1.34	2.4	6
1946	34.8	86	-22	0.99	2.9	5
1947	22.3	66	-23	0.34	4.1	6
1948	17.6	64	-40	0.45	5.4	5
1949	21.9	55	-22	0.60	5.7	5
PERIOD	23.8	90	-48	0.78	6.1	5

CLIMATOLOGICAL DATA

Table 2

Station	Temperature						No. of days		Precipitation							No. of days		
													Snow, Sleet, Hail					
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
BALDHILL DAM	20.3M								.49		.12	21	4.4	20	10	6		
CARRINGTON	18.5	- 5.2	42	30	-10	1+		31	.44	- .25	.15	24	6.3	T	23	5		
CAVALIER POWER PLANT	19.4	- 1.6	43	26	-12	8+		30	1.08	.32	.35	25	12.5	20	1+	5	2	
COOPERSTOWN	20.8	- 3.5	48	7	-11	6+		31	.55	- .16	.27	24	7.7			4	1	
DEVILS LAKE WB CITY	17.4	- 2.4	38	29	-14	14		31	.77	- .01	.32	23	8.4	23	1+	8	1	
EDGELEY EXP FARM	26.2	- 1.1	45	7+	- 5	14+		30	.49	- .34	.23	25	6.7			5		
ELLENDALE NORMAL SCH	26.0	- 1.2	46	28	- 3	15		31	.65	- .30	.36	24	7.3	2	1+	5	1	
FARGO WB AIRPORT	22.1	- 0.6	41	31	-10	9		31	.36	- .65	.23	24	2.1	9	1+	5		
FORMAN	27.5	1.5	49	31				31	.60	- .20	.36	24	5.0			2	1	
FULLERTON	26.3	- 0.8	46	7+	- 3	15		31	.90	- .16	.54	24	8.6	5	24	4	2	
GACKLE	23.0M	- 2.3	44	27	- 8	14		31	.29	- .56	.15	24		5	24	4		
GRAFTON STATE SCHOOL	19.3M	- 2.4	42	26	-13	10		31	.64	- .06	.31	25	7.9			5	1	
GRAND FORKS CAA	18.1	- 4.4	48	22	-15	6+		31	.80	.02	.51	24	6.5	20	1+	8	1	
GRAND FORKS UNIVERSITY	18.4M	- 4.1	42	7	-15	9		31	.94	.15	.46	24	10.1	19	1+	6	2	
HANKINSON RR STATION	23.4M	- 5.2	50	8	- 4	9+		31					0.5					
HILLSBORO	22.3	- 3.0	44	7	-10	9		31	.97	.21	.56	24	0.9			6	1	
JAMESTOWN CAA	23.0	- 1.4	44	28	- 6	14		31	.90	0.00	.51	24	8.7	5	1+	7	1	
JAMESTOWN STATE RDSP	24.2	- 0.2	44	27+	- 6	14		31	.86	- .04	.51	24	8.4			4	1	
KENSAL WILDLIFE REFUGE	20.9		39	7	-10	14		31	.39		.23	24	4.7			4		
LA MOURE	26.1		46	7	- 4	15		31	.50		.32	24		5	24	5	1	
LANGDON EXP FARM	16.2	- 3.6	41	26+	-18	14		31	.91	.13	.35	25	8.4			7	1	
LARIMORE	19.5	- 3.2	41	7	-12	14		31	.62	- .19	.25	25	7.5			4	1	
LISBON	25.2	- 2.1	46	7	- 3	14		31	.50	- .23	.40	24				3	1	
MAYVILLE	21.9	- 2.8	42	7	-10	6		31	.78	.09	.35	24	7.1	12	1+	7	2	
MC HENRY 5 N	19.0	- 4.0	43	29	-15	14		31	.59	- .10	.18	25	4.0	24	1+	6		
MC LEOD 3 E	25.6M	- 2.2	45	6+	- 3	8+		31	.67	- .11	.43	25				2	1	
MUNICH 4 SW	16.9		40	28	-17	6		31	.63		.17	23	7.4			8		
OAKES WATER WORKS	24.4	- 3.3	46	5+	- 7	1		31	.57	- .23	.30	25				2	2	
PARK RIVER	19.9	- 2.9	41	26+	-10	6		31	.60	- .06	.23	26+	6.0	29	1+	6		
PEMBINA CAA	16.2	- 2.2	38	7	-14	8		31	.67	- .13	.26	24	6.6	17	1+	8	1	
PETERSBURG	17.7		39	22+	-15	6+		31	.91	.18	.33	25				7	1	
SHARON	20.6	- 3.6	39	31	-12	6		31	.96	.34	.45	24	9.8			8	1	
VALLEY CITY	24.9	- 1.4	45	7	- 7	14		31	.90	.11	.31	25	10.0			5	2	
WAHPETON STATE SCHOOL	25.4M	- 2.2	46	31	- 7	9		31	.32	- .40	.18	25	3.0	9	1+	3		
DIVISION	21.7	- 2.5							0.67	-0.15								
MIDDLE DIVISION																		
ASHLEY	22.2	- 2.7	43	28+	- 4	1+		31	.14	- .69	.07	25	2.7	4	25	3		
BELCOURT INDIAN RES	16.3		43	31	-20	10		31	.61		.24	23	7.5	38	25	6		
BISMARCK WB CITY	24.3	- 0.9	49	28+	- 5	14		31	.31	- .56	.21	24	3.5			5		
BISMARCK WB AIRPORT	24.0	2.1	48	27	- 5	14		31	.31	- .58	.22	23	1.4	9	1+	4		
BOTTINEAU	16.2	- 4.6	41	24	-19	15		31	.55	- .12	.23	23	4.7	19	1	11		
CARSON 2 SW	24.1	- 2.9	48	29	-12	15		31	.21	- .65	.11	23	1.0	20	1	4		
CENTER	22.4	- 4.1	48	29	-15	15		31	.59	- .14	.45	23	T	19	1+	2	1	
DRAKE	18.8	- 5.9	41	29	-15	14		31	.80	.10	.36	24	6.1			6	1	
DUNSEITH ST SANITARIUM	17.8	- 2.7	41	7	-15	14		31	.57	- .05	.20	23+	5.9	14	1	3		
ECKMAN	16.1	- 6.9	42	30	-17	15+		31	.67	.11	.30	24	7.4	46	1+	6	1	
FESSENDEN	20.4	- 3.3	41	29	-13	14		31	.49	- .26	.20	21		23	1	3		
FORT YATES	28.5M	1.3	53	27	- 4	15		31	.70	- .11	.60	23	1.2			3	1	
FOXHOLM WILDLIFE REF	21.9M	- 3.5	44	27				31	.29	- .43	.18	23	7.0	17	1	4		
GARRISON	22.2M	- 2.2	46	27	-19	15		31	.72	- .07	.56	23	5.0	21	1	3	1	
GRANVILLE	19.8	- 4.7	43	28+	-15	14		31	.75	.21	.38	23	5.4	33	1+	6	1	
HANSBORO	15.6	- 5.1	41	26	-16	8		31	.30	- .58	.09	28		38	1+	5		
LEEDS	18.9		40	26	-16	14		31	.78		.35	23	8.2	22	1	8	1	
LINTON	26.3	- 1.7	52	27	- 7	15		31	.31	- .47	.18	23		10	1	5		
MADOCK AGR SCHOOL	18.7	- 5.6	39	29	-15	14		31	1.07	.43	.33	24				8	2	
MANDAN EXP STATION	22.9	- 3.9	47	28	- 7	15		31	.33	- .51	.21	24	0.8	10	1+	5		
MANDAN FT LINCOLN PARK	25.4		51	27+	- 6	15		31	.31		.23	23	4.0			3		
MAX	19.7	- 4.8	43	28+	-12	14+		31	.80	- .67	.57	24	10.0	20	1	4	1	
MINOT CAA	20.3	- 3.3	42	29	- 9	14		31	.82	.21	.59	23	8.9	25	1	8	1	
MINOT EXP FARM	21.2		40	27+	-11	14		31	.41		.27	23	5.7	34	4	5	1	
MOHALL	18.4	- 3.1	41	28	-14	14		31	1.48	.77	.74	23	11.3	40	27	6	2	
NAPOLEON 2 SE	22.5	- 0.8	43	27	-10	14		31	.19	- .68	.10	24	2.6	19	1+	5		
NEW SALEM 1 S	23.5	- 2.7	43	27+	- 8	15		31	.43	- .27	.33	23		30	1	5	1	
PETTIBONE	21.3	- 3.1	43	4+	-13	15		31	.39	- .24	.17	23				5		
RIVERDALE	22.6		46	27	- 9	14+		31	.84		.50	23	5.4	17	1	6	1	
ROLLA	17.4	- 3.8	41	7	-14	8		31	.78	- .12	.18	24		42	3	11		
STEELE	22.7	- 1.8	45	27	-12	15		31	.39	- .33	.36	23	2.2	11	1	2	1	
TOWNER	19.9	- 2.7	48	28	-16	14		31	1.17	.39	.65	23	9.8			6	2	
TURTLE LAKE	21.0	- 4.2	42	27	-13	14		31	.83	.02	.60	23	4.5			4	1	
UNDERWOOD 12 W	22.2	- 6.7	48	27	-17	15		31	.60	- .14	.55	23	1.6			3	1	
UPHAM WILDLIFE REFUGE	18.8		42	24+	-22	15		31	.86		.48	23	10.1	30	24+	7	1	
VELVA	22.5	- 2.8	44	29	-10	14		31	.83	.24	.47	23	9.0	20	1+	5	1	
WASHBURN	23.8	- 1.7	45	29	- 8	14		30	.58	- .11	.53	23	4.5			2	1	
WESTHOPE	16.9	- 5.6	40	29	-18	14		31	.85	.26	.30	23		30	4	5	1	
WILLOW CITY	17.2M	- 2.9	40	24	-22	15			.53	- .21	.20	23	8.0	18	4	7		
WILTON RR STATION	20.6M	- 4.4	43	28				31	.35	- .42	.19	24		18	1	4		
WISHEK	22.4M	- 3.7	45	29+	- 7	10		31	.71	- .10	.27	25	2.3	7	1+	6	1	
DIVISION	20.9	- 3.3							0.60	- .18								

See reference notes following Station Index

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Snow, Sleet, Hail Max depth on ground	Snow, Sleet, Hail Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 SW	23.8		44	27	- 9	15		31	.42		.30	23	1.1			5	1	
AMIDON	24.1M	- 4.1	50	26	-13	15		31	.34	- .41	.10	23	9.4	26	1+	8		
BEACH	24.6		47	22	- 8	10		31	.66		.35	23	7.4	15	1	5	1	
BELFIELD	24.1	- 3.4	46	29	-16	15		31	1.09	.28	.48	23		17	1	13	1	
BOWBELLS RR STATION	20.1	- 1.4	42	30	-20	14		31	.38	- .19	.20	23	4.4	19	1	5		
BOWMAN COURT HOUSE	24.4M	- 3.9			-13	15		31	.31	- .37	.13	23	4.2			5		
CROSBY	19.2M	- 4.6	45	28	-12	15		31										
DICKINSON EXP STATION	20.7	- 4.8	44	27+	-19	10		31	.61	- .09	.22	24	5.5	13	1+	9		
DUNN CENTER	21.9	- 4.1	48	4	-17	15		31	.74	- .01	.65	23	7.5	19	1	3	1	
ELBOWOODS	22.7	- 3.5	46	29	-15	15		31	.49	- .04	.40	23	0.2			4	1	
EPPING	23.0	- 4.0	48	31	-15	14		31	.20	- .37	.17	23				2		
GRENORA	25.5M	3.1	50	31	- 8	13		31	.02	- .66	.02	19	0.5	1	1	1		
KENMARE	21.4	- 1.8	47	30	-10	14		31	.55	- .10	.34	24	6.0	24	1	6	1	
MARMARTH	25.9M	0.0	51	26	-11	10+		30	.57		.25	23	3.7	28	1	6	1	
MEDORA STATE PARK	26.5M	- 2.2	52	26	-10	15			.75E	- .01	.25	9+	7.5			5	2	
MEDORA T R N M P	25.2		50	26	-12	15		30	.58		.40	23	2.0	9	1	3	1	
MOTT RR STATION	23.5	- 4.1	46	31	-17	15		31	.40	- .46	.15	23	2.3			5		
NEW ENGLAND	26.2	- 0.1	55	27	-14	15		31	.52	- .29	.30	23	8.8	30	1	5	1	
PARSHALL	21.7	- 3.6	45	27	-13	15		31	.37	- .21	.30	23	3.5	25	1+	3	1	
PORTAL	18.7M	0.3	42	28	-16	14		3[1]	.59	- .02	.35	24	6.0			4	1	
RICHARDTON ABBEY	24.0	- 3.2	45	26+	-12	15		31	.66	- .06	.32	23	4.5	19	5	9	1	
SANISH	21.2	- 3.6	46	28	- 8	10+		31	.43	- .15	.33	24				3	1	
STANLEY	19.2		45	27	-16	15		31	.40	- .24	.19	23	8.0	19	1+	3		
VAN HOOK	22.9		46	27	-10	15		31	.30		.23	23	4.7	15	1+	4		
WATFORD CITY	24.3	- 1.9	50	22	-10	14		31	.77	.08	.43	23	9.8	10	1	5	1	
WILLISTON WB CITY	24.5	1.6	48	31	- 7	14		31	.73	.04	.36	23	5.2	9	1+	9	1	
DIVISION	23.0	- 2.3							0.52	-0.23								
STATE	21.9	- 1.9							0.60	-0.18								

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5 and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

-	No record
+	And also on later dates.
*	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
6	Precipitation measured at 6-hourly intervals, no recording gage.
H	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table 5 for detailed daily record.
R	Station equipped with recording gage only.
S	Storage precipitation station. Precipitation measurements, made at irregular intervals, will he published in the June issue of this publication.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
Z	Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly subscription includes Annual Summary) Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA

MARCH 1949

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALEXANDER RR STATION					.13	.02		T	.07				T						.02					.38	.02			T				0.64
ALMONT 7 SW					.03	T			.05				T						T	T	.03		.30	.01								0.42
ALPRA 1 S				T	.15		T	T	.05			T	T						.06	T			.17	T			T	.02				0.45
AMIDON					.06			T	.06				.01	.02					.04	.03			.10	.02			T					0.34
ARVILLA STATE PARK				T	.02												T			T	.06			.02	T		.06					0.20
ASHLEY 2					T																.02			.05	.07							0.14
6ALDHILL OAM		T	T		.05					.02			T					T	T	T	.12		T	.10	.10		.10		T	T		0.49
BEACB					.14			T	.07				T	T				T	.05	T			.35	T			.05	T				0.66
BELCOURT INDIAN RES				T	T								T							.01	T		.24	.12	.07		.10	.07				0.61
6ELFIELD					.10	.05			.05					.05	.05			•	.06	•	.10		.46	.08			.02	.05				1.09
6EULA6					.04				T				T								.01		.76				.06					0.60
6ISMARCK WB CITY			T	T	T	T	T	T	.01	T	T	T	T	T							.07		.01	.21	.01		T					0.31
BISMARCK WB AIRPORT Z					T	T	T	T	.01	T	T	T	T	T					T	T	.07		.22	T	.01		T					0.31
BOTTINEAO	.02	•	.03	.05						T		T	T							.04			.23	.06	.04	.02	.03	.01				0.55
BOWBELLS RR STATION																			T	.04			.20	.02				.02	.10			0.36
BOWMAN COURT HOOSE 2					.05				.07	.03			.01	T					.05				.13	T								0.31
CARRINGTON						.04															.06			.15	.14							0.44
CARSON 2 SW	T	T	T		T				.03					T						.02			.11				.05				T	0.21
CAVALIER POWER PLANT			T	T	T												T	T		.07	.26		.16	.22	.35			T	T			1.06
CENTER					T				T			T	T								.14		.45	T								0.56
COLGATE									T													.03	T	.10								0.13
COOPERSTOWN																					.14			.27	.06		.06					0.55
COURTENAY						T				T											.05	T	.21	.10	T		.04					0.40
CROS6Y	T	T			T	-		T			T	T								T	T		T	.22	.11	T		T				-
OAWSON R																					.03		.16	.13	.02		.02					0.36
DEVILS LAKE WB CITY 2	T	T	T	T	.01		T		T	T		T	T					T	T	.02	.03	T	.32	.06	.21	.03	.06	T	T			0.77
DICKINSON CAA 2				.01	.13	T		.01	.05		T	T	.12	.02				.02	.02	.01	T		.31	.01			T	T				0.71
DICKINSON EXP STATION	T	T			.08	.06		T	.02	.03			T	.02					.11	T	.02	T	.04	.22	T		T	T	T			0.61
ORAKE																					.10		.04	.36	.05	T	.05	.20				0.60
DUNN CENTER					T	.04		T	T		T		T								T	T	.65	T	.05							0.74
DUNSEITH ST SANITARIUM				T	T						T		T					T		T			.20	.20	.17	T	T	T				0.57
ECKMAN											T			.05						.05	.03			.30	T	.10	T	.14	T				0.67
EDGELEY EXP FARM 2						.02														T	.03		.21	•	.23		T					0.49
ELBOWOODS					.01								T							T	.04		.40	T			T	.04				0.46
ELLENDALE NORMAL SC6										.02											.02		.04	.36	.21		T					0.65
EPPING					T				T														.17		.03			T				0.20
FAIRFIELD 9 N					.10				.04								T		.04	T		T	.44	T			.04					0.66
FARGO WB AIRPORT 2	T	T	T	T	T		T	T		T		T	T	T			T	T		T	.04	T	.04	.23	.04		.01					0.36
FES6ENDEN				T	T				T	T			T								.20		.11	.16								0.48
FORMAN										T											T		T	.36	.24							0.60
FORT YATES									T	.03											T		.60	T	T		.07					0.70
FOXHOLM WILDLIFE REF					T															T	.01		.16	.07	T	T	.03		T			0.29
FULLERTON					T	T			T												.02		.32	.54			.02					0.80
GACKLE		T							T	T											.06		.08	.15	.02		T					0.29
GARRISON 2								T		T			T						T		.11		.56	.05	T							0.72
GLEN ULLIN R					.04				.05									.02	.02	.06	.02		.45	.02								0.66
GRAFTON STATE SC6OOL																	.01			T	.16		T	.14	.31	.02						0.64
GRAND FORES CAA Z	T	T	.01	.03					T	T		T	T				T	T		T	.03	T	.01	.51	.14	T	.06	.01				0.60
GRAND FORKS UNIVERSITY	T	T	T	.05	T				T	.01			T				T	T		T	.07	T		.46	.25	T	T	.10				0.64
GRANO R//									.03										.04	.06	.03		•	.38	.10		•	.17				0.61
GRANVILLE					T	T		T				T	T						T	T	.10		.38	.09	T	.03	.05	.10				0.75
GRENORA																			.02													0.02
HALLIDAY					T			T	.03				.04						T		.06		.51	.03	T		T					0.67
HANKINSON R R STATION						.05															T		-	-	-							-
HANNAFORD R					.04				•	.04											.15		•	•	.46		.05					0.77
RANSBORO					T	T							T						T	.03	T		.07	.06	.03		T	.06				0.30
HARVEY WATER WORKES	T	T	T		T	T		T	T			T		T		T			T	T	.04		.20	.07	T	T	.04	T		T		0.35
HA2ELTON R R 6TATION R//					.03															•	.04		.16	.07	.01		.03					0.34
RILLSBORO		T	T							T	T			.01		T	.01				.14			.56	.16		T	.06	T	T		0.97
HURDSFIELD R					•	.04														.02	.05		.20	.03	.02		.06					0.44
JAMESTOWN CAA 2		T		T	.01	T		T	.02	.02			T					T		T	.10		.21	.51	.03		T					0.90
JAMESTOWN STATE BOSP					T	T			T	T											.16		.14	.51	.05		T	T				0.66
KENMARE																			T		.05			.34	.08		.03	.03	.02			0.55
KENSAL WILDLIFE REFUGE					T				T				T								.03			.23	.11		.02					0.36
LA MOURE						T				.08											.02		.06	.32	.02		T					0.50
LANGDON EXP FARM																				.08	.07		.17	.15	.35	.04		.05				0.61
LARIMORE																					.05			.22	.25			.10				0.62
LEEDS			.01		.02							T	T				T			.04	.03		.35	.21	.06	T	T	.04				0.76
LINTON					.01			.01												T	.01		.16	.10			T					0.31
LISBON																					T		.02	.40	.06							0.50
MADDOCK AGR SCHOOL			T		T	T			T				T							.03	.07		.31	.33	.13	.04	.11	.05				1.07
MANDAN EXP STATION Z					T	T		T	T	.01				T					T	T	.07		.03	.21	T		.01					0.33
MANDAN FT LINCOLN PARK					T			T	.02		T								T		.08		.23	T	T							0.31
MANNING					.05				.03				T					.01					.40				.01					0.50
MARMARTH					.07				.10				•	.10	T		T	T					.25	.05	T			T				0.57
MAX					T					.04									T		.14		T	.57	T		T	.05				0.60
MAYVILLE			.01							.01								T			.01			.35	.31		T	.08	.01			0.76
MC GREGOR RR STATION R					-	-	-																.10	.06	.06							-
MC HENRY 5 N					T	.04														T	.14		.06	.11	.18		.06	T				0.59
MC LEOO 3 E																								.24	.43							0.67
MC VILLE																					.05			.04	.10							0.16
MEDINA 1 W						T															.05		.01	•	.20							0.26
MEDORA STATE PARK								T	.25				.25						.10				.10	.05								0.75E
MEDORA T R N M P					.12	T		T	.06				T	T									.40	T			T					0.58
MINOT CAA 2			T		.04	T	T	T	T	T	T	T	T	T					T	.02	.04		.56	.01	.03		.07	.02				0.62
MINOT EXP FARM						T		T		T									T	T	.04		.27	.03	.01		.06					0.41
MOFFIT RR STATION								T		T	T										T		T	.33			T					0.33
MOHALL					T						.03								.11	T	T		.74	.13	.11		.36	T				1.46
MONTPELIER						T		T		T											.09	T	T	.16	.21	T		.02				0.50
MOTT RR STATION Z					.10				.05			T		T					.06		.02		.15	T								0.40
MUNIC6 4 SW				.02	T	T		T				T	T				T			.03	.02		.17	.12	.16	.02	T	.06				0.63
NAPOLEON 2 SE					T				T	.01									.01		.03		.04	.10			T					0.19
NEW ENGLAND					.07	.03		T	.06			T	T	T					.06		T		.30	T								0.52
NEW ROCKFORD 6 NW					T				T			T	T					T		T	.16		.16	.15	.11	T	.15	T				0.75
NEW SALEM 1 S					.02				.01				.01								.06		.33									0.43
OAKES WATER WORES 2																								.27	.30							0.57
PARE RIVER		T	T		T								T				T			T	.05		.03	.22	•	.23		.07				0.60
PARSHALL					T	T		T	.01		T								T		T	T	.30	T	.06	T	T	T			T	0.37
PEMBINA CAA 2	.03	T	.04	T			T					T	T	T		T	T			.06	.07	T	.06	.26	.12	.01	T	T				0.67
PETERSBURG				T	T										.01		.03				.05		.13	.22	.33			.14				0.91
PETTIBONE									T												.02		.17	.11	.02		.07					0.39
PORTAL					T														T	.10				.35	.07			.07	T			0.56
PRETTY ROCK														T				.02	T	T	T	T	.07	.04								0.13
RAUB R				.02	.06														•	.12			.44	.06	.03		.05					0.76
RICHARDTON ABBEY					.16	T		T	.05		T		.01	.02					.04	T	.03		.32	.02	.01			T				0.66
RIVERDALE 2					.05	T		.05	T	.05	T								T		.09		.50	.10	T		T	T				0.84
ROLLA				.02	.01				T			T	.02					T		.02	.02		.15	.16	.16	.03	.08	.06				0.76
RUGBY 1 N					.05							T	T							.05		.06	.11	.10	.17							0.56
RYDER				T		T	.02				T		T					.02		T	T			.54	.04		.02	T				0.64
SANISB					.05					T									T					.33	.05							0.43
SARLES R//	-	-	-	-	-	-	-	-												•	.08		•	•	•	•	•	.81				-
SHARON	T	T	T		T	T		T		.01				T						T	.20		.01	.46	.15	T	.06	.05	.02			0.66
SHERWOOO						T				T	.03		T							.20	.05		.25	.40	.37	T	.15	.10				1.55
STANLEY					T				T														.19	.07	.14							0.40
STEELE									T										T		.03		.36	T	T	T	T					0.36

See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
MARCH 1949

Table 3—Continued

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TAGUS					T		T	.02			T	T	T						T				.14	.07	.02		T					0.25
TOWNER		.T																	.27	.05			.65		.03		.09	.08				1.17
TROTTERS					.04	T			.03			T	.02					.04		T			.41	.03			T	T				0.57
TURTLE LAKE					T	T		T	T			T		T					T	T	.13		.80	.05	T		T	.05				0.83
TUTTLE 8 SW																						.08		*	.22							0.30
UNDERWOOD 12 W					T	T			T	.02	T	T	T	T					T	T	.03	T	.55	T	T		T	T				0.60
UPHAM WILDLIFE REFUGE					T								.02							.02	T		.48	.11	.18	T	.02	.03				0.86
VALLEY CITY					T					.01											.14		T	.27	.31		.17					0.90
VAN HOOK					T				T		T	T	T						T		T		.23	.04	.02		T	.01				0.30
VELVA		T	T		T	T		T	T	T	T		T	T					T	T	.13		.47	.07	.04	T	.12	T				0.83
VERONA																								.15								0.15
WAHPETON POWER PLANT R																					.04		*	*	.53							0.57
WAHPETON STATE SCHOOL								T		T			T								.02			.12	.18		T					0.32
WASHBURN							T				T								T		.05		.53		T		T					0.58
WATFORD CITY					.12				.09										.02				.43	.11								0.77
WESTHOPE					T					T			T	T						.07			.30	.17	.18		.13					0.85
WILLISTON WB CITY R				.01	.14	T	T	.02	.06	T	T	T	T					.02	T	T	T		.38	.10	.01		.01	T				0.73
WILLOW CITY			T	T	T					T		T	T						T	.05			.20	.08	.10	.03	.06	.03				0.53
WILTON RR STATION										T				T					T	T	.08		.06	.19	.02			T				0.35
WISHEK	T	T		.01						.01			T					T	T	.20			.19	.27			.03					0.71

HOURLY PRECIPITATION

Table 4

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
													—1st—													
ASHLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA	//								.02																	.02
													—3d—													
PEMBINA CAA	//						.01																			.01
													—4th—													
GRAND FORKS CAA	//																				.02	.03				.05
RAUB	//										.01	.01													.01	.02
WILLISTON WB CITY																										.01
													—5th—													
BOWMAN COURT HOUSE	//	.06	.01	.01					.05										.01							.13
DEVILS LAKE WB CITY																										.01
DICKINSON CAA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EDGELEY EXP FARM																					.04		*			.04
GLEN ULLIN						.01	.02				.01															.04
HANNAFORD																							.01	.02	.01	.04
HAZELTON RR STATION	//							.02	.01																	.03
HURDSFIELD																								*	*	*
JAMESTOWN CAA	//												.01													.01
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINOT CAA	//																	*	*	*	*	*	*	*	*	*
MOTT RR STATION																				.05				.01		.07
RAUB	//			.03		.02			.01														.01			.06
WILLISTON WB CITY		.01	.03	.02	.03	.02	.01		.01													.01				.14
													—6th—													
HURDSFIELD		*	*	*	*	*	*	*	*	.04																.04
MINOT CAA	//	*	*	*	*	*	*	.04																		.04
MOTT RR STATION										.01	.01															.02
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													—8th													
DICKINSON CAA																			*	*	*	*	*	*	*	*
GARRISON																						.05				.05
WILLISTON WB CITY																								.01	.01	.02
													—9th—													
BISMARCK WB AIRPORT																	.01									.01
BOWMAN COURT HOUSE	//	.01	.01	.01	.01	.01					.01		.02	.02	.01	.02										.13
DICKINSON CAA		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05							.05
EDGELEY EXP FARM																			*							*
GARRISON														*	*	*	*	*	.04							.04
GLEN ULLIN																.02	.01	.01	.01							.05
GRANO	//																	*	.03							.03
HANNAFORD																		*	*							*
JAMESTOWN CAA	//																									
MANDAN EXP STATION																					.01	.01				.02
MOTT RR STATION																			.01							.01
WILLISTON WB CITY			.01	.01		.01	.01			.01	.01			*	.05											.05
													—10th—													.06
EDGELEY EXP FARM		*	*	*	*	*	.03																			.03
HANNAFORD		*	*	*	*	*	*	.04																		.04
JAMESTOWN CAA	//	*	*	*	*	*	*	.02																		.02
													—13th—													
BOWMAN COURT HOUSE	//												.01			.01					.01				.01	.01	.05
DICKINSON CAA																*	*	*	*	*	*	*	*	*	*	*	*
JAMESTOWN CAA	//									.03	.01															.04
													—14th—													
BOWMAN COURT HOUSE	//			.01	.01	.01																				.03
DICKINSON CAA		*	*	*	*	*	.19																			.19
													—18th—													
BOWMAN COURT HOUSE	//																				.01	.02	.02	.02	.02	.02
DICKINSON CAA																									.01	.01
GLEN ULLIN																									.02	.02
JAMESTOWN CAA	//														.01											.01
MOTT RR STATION																							*	*	*	*
WILLISTON WB CITY																								.01	.01	.02
													—19th—													
BOWMAN COURT HOUSE	//																				.03	.04	.01	.01	.01	.10
DICKINSON CAA																				-	-	-	-	-	-	-
GARRISON									.03																	.03
GLEN ULLIN		.01		.01																						.02
GRANO	//																				.02	.02				.04
MANDAN EXP STATION												.01		.01												.02
MINOT CAA	//														.02											.02
MOTT RR STATION		*	*	.08																						.08
RAUB	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
													—20th—													
BISMARCK WB AIRPORT																									.01	.01
BOWMAN COURT HOUSE	//	.01																							.01	.02
DEVILS LAKE WB CITY		.01	.01																							.02
DICKINSON CAA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GARRISON																							.05	.03		.08
GLEN ULLIN		.01	.01																				.02	.01	.01	.06
GRANO	//							.01		.01	.01												.01		.02	.06
HAZELTON RR STATION	//																						*	*	*	*
HURDSFIELD																									.02	.02

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
HAZELTON RR STATION //																						*	*	*	*
HURDSFIELD																								.02	.02
MANDAN EXP STATION																								.02	.02
MINOT CAA //																							.03	.01	.04
MOTT RR STATION																				.01	.01				.02
PEMBINA CAA //		.01		.02	.01		.05	.02																	.11
—21st—																									
BISMARCK WB AIRPORT	.01	.02	.02	.01																					.06
BOWMAN COURT HOUSE //	.01																								.01
DAWSON	*	*	*	*	*	.03																			.03
DEVILS LAKE WB CITY		.01	.01	.01																					.03
EDGELEY EXP FARM										.01		.01			.01	.01									.04
FARGO WB AIRPORT //									.02	.01	.01														.04
GARRISON	.02								.02																.04
GLEN ULLIN	.02																								.02
GRAND FORKS CAA //					.01				.01	.01															.03
GRANO //		.03																							.03
HANNAFORD					.04	.03		.01	.04	.03															.15
HAZELTON RR STATION //	*	*	*	*	.04																				.04
HURDSFIELD	.01	.01	.01														.01					.01			.05
JAMESTOWN CAA //					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MANDAN EXP STATION	.01	.03	.02																						.06
MINOT CAA //	.02	.02																							.04
MOTT RR STATION									.02	.01															.03
OAKES WATER WORKS									.02	.02	.01														.05
PEMBINA CAA //			.02	.01			.03	.02	.01		.01														.10
RAUB //	*	*	*	*	*	*	*	*	*	.12															.12
WAHPETON POWER PLANT									.02	.01	.01														.04
—23d—																									
BISMARCK WB AIRPORT					.01	.01	.02	.04	.03	.01	.01	.01		.02	.03		.01		.01		.01				.22
BOWMAN COURT HOUSE //									.06	.01		.01	.02	.03	.01		.01				.01				.17
DAWSON				.01	.02	.02			.03			.02	.01		.01	.01	.02	.02	.01			.01				.18
DEVILS LAKE WB CITY									.02	.03	.08	.05	.04	.01		.01					.01	.02	.04	.01	.32
DICKINSON CAA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EDGELEY EXP FARM																*	*	*	*	*	*	*	*	*	*
FARGO WB AIRPORT //																			.01	.01		.02			.04
GARRISON								.06	.11	.05	.04	.11	.05	.05	.03	.02	.01	.05		.04	.01				.63
GLEN ULLIN					.05	.01	.05	.02	.06	.06	.03	.07	.06	.02	.01	.01									.45
GRAND FORKS CAA //																					*	*	*	*	*
GRANO //										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HANNAFORD																		*	*	*	*	*	*	*	*
HAZELTON RR STATION //						.01				.01	.01		.01		.04	.03	.02	.01		.01				.01	.16
HURDSFIELD									.03	.01	.01	.04	.01			.01	.03	.01	.01		.02	.02			.20
MANDAN EXP STATION			.01		.02			.02	.05	.02	.06	.02	.01	.01											.22
MC GREGOR RR STATION														.01	.02	.01	.01		.01	.01	.01	.01	.01		.10
MINOT CAA //								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MOTT RR STATION							.01	.01	.03	.02		.01	.03	.01		.03									.15
OAKES WATER WORKS																	.02	.03	.05	.02	.03	.01	.01		.17
PEMBINA CAA //														.03	.01		.01								.05
RAUB //								.02	.05	.03	.05	.03	.12	.02	.04	.03	.01		.01		.01		.01	.01	.44
WAHPETON POWER PLANT																								*	*
WILLISTON WB CITY													.02	.05	.07	.06	.05	.02	.02	.03	.01	.01	.01	.01	.36
—24th—																									
BOWMAN COURT HOUSE //		.01	.01	.01													.01	.04	.02	.01					.03
DAWSON		.01	.01	.01					.01															.01	.13
DEVILS LAKE WB CITY	.02	.01	.02	.02					.01															.01	.09
DICKINSON CAA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-
EDGELEY EXP FARM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.38							.38
FARGO WB AIRPORT //	.01	.01	.01					.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02	.01	.01	.24
GARRISON											.01											.01		.01	.04
GLEN ULLIN		.01			.01																				.02
GRANO //	*	*	*	*	*	*	*	*	*	.38															.38
HAZELTON RR STATION //									.02								.02	.01	.02						.07
HURDSFIELD	.01																				.01		.01		.03
JAMESTOWN CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.46	.06	.05	.03	.07	.04	.04	.01	.03	.79
MANDAN EXP STATION	.01		.01																						.02
MC GREGOR RR STATION				.01	.01	.01		.02					.01	.01		.01									.09
OAKES WATER WKS	.01	.01	.01		.01					.01			.03	.07		.02	.03	.02	.01	.03	.01		.01		.28
PEMBINA CAA //	.01			.02	.02			.04	.02		.01		.01						.03		.01			.01	.21
RAUB //	.01		.01	.01				.01				.02													.06
WILLISTON WB CITY			.01	.01	.01	.01	.01		.03														.01	.01	.10
—25th—																									
BISMARCK WB AIRPORT					.01																				.01
DAWSON		.01		.01																					.02
DEVILS LAKE WB CITY	.01	.03	.02	.01	.01	.01	.01	.01	.01	.01		.01	.01	.02	.02	.01	.01								.21
FARGO WB AIRPORT //	.01	.01	.01	.01																					.04
GARRISON											.01		.01												.02
GRANO //	.01	.01	.01		.02				.02	.01							.01	.01							.10
HANNAFORD	*	*	*	*	*	*	*	*	*	.49															.49
HAZELTON RR STATION //	.01																								.01
HURDSFIELD									.01			.01													.02
JAMESTOWN CAA //	.05	.02	.03	.02	.01			.02	.01	.01	.03														.20
MC GREGOR RR STATION		.01		.01	.01	.02	.01																		.06
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.58	.58
OAKES WATER WORKS	.02	.01	.01																						.04
PEMBINA CAA //		.02	.01	.01	.01				.03	.03		.01	.02			.01			.01						.16
RAUB //			.01	.01								.01													.03
WAHPETON POWER PLANT	*	*	*	*	*	*	*	*	*	*	.53														.53
WILLISTON WB CITY				.01																					.01
—26th—																									
DEVILS LAKE WB CITY	.01	.01	.01																						.03
PEMBINA CAA //									.02		.01														.03
—27th																									
BOWMAN COURT HOUSE //		.02	.02	.01																					.05
DAWSON															.01	.01									.02
DEVILS LAKE WB CITY															.01	.01	.01	.01	.01			.01			.06
FARGO WB AIRPORT //																		.01							.01
GARRISON										.01	.01	.01								.03					.06
GRAND FORKS CAA //	*	*	*	*	*	*	*	*	.54																.54
GRANO //												*	*	*	*	*	*	*	*	*	*	*	*	*	*
HANNAFORD																.01	.01	.02	.01						.05
HAZELTON RR STATION //		*	*	*	*	*	*	*	*	*	*	*	.03												.03
HURDSFIELD										.01	.04	.01	.02												.08
JAMESTOWN CAA //													*	*	.05										.05
MANDAN EXP STATION							*	*	*	*	*	.03													.03
MINOT CAA //											.04	.01	.02	.01	.01	.01									.08
RAUB //							*	*	.05																.05
WILLISTON WB CITY				.01																					.01

See reference notes following Station Index.

HOURLY PRECIPITATION

Table 4—Continued

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
													—28th—													
GRANO	//	*	*	*	*	*	*	*	*	.17	*	*	*	*	*	*	*	*	*	.04						.17
MINOT CAA	//	*	*	*	*	*	*	*	*	*																.04
PEMBINA CAA	//																	.01	.01							.02
													—31st—													
ASHLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	33	26	38	39	35	35	40	35	13	18	29	28	20	9	20	18	26	30	31	33	35	34	33	32	37	41	44	40	43	41	38	31.4
	MIN	14	6	21	27	30	23	23	6	1	-03	2	11	6	-06	-09	8	3	4	22	30	26	28	30	28	28	20	25	28	25	23	20	16.1
AMIDON	MAX	40	45	40	40	38	41	39	35	14	22	31	25	20	13	22	18	25	33	37	36	39	41	36	33	43	50	49	37	46	41	38	34.4
	MIN	12	11	13	21	29	24	31	9	3	-10	-03	-01	7	-10	-13		-01	4	16	26	29	22	28	25	15	19	29	25	19	19	15	13.8
ARVILLA STATE PARK	MAX	30	27	35	39	36	27	42	32	14	22	34	40	29	11	21	21	23	21	30	32	32	35	38	35	38	39	37	40	41	35	39	31.5
	MIN												-01	2	-11	-07	-02	3	6	5	26	22	17	5	31	21	30	30	27	23	15	20	
ASHLEY	MAX	20	24	27	32	41	35	35	42	17	21	20	30	41	21	7	25	22	27	34	32	33	32	41	35	32	40	35	43	43	43	36	31.2
	MIN	-04	6	10	10	23	15	15	8	2	0	3	11	10	-04	-04	4	4	3	9	17	26	23	26	28	26	17	22	26	29	24	23	13.2
BALDHILL DAM	MAX	26	32	30	32			40	44	14	20	22				10	25	24	28			33	31	37	35	34			38	43	42	40	30.9
	MIN	-04	24	24	19			-06	-02	-06	-02	0			-08	-06	4	2	4			8	18	19	23	28			17	26	18	23	9.7
BEACH	MAX	37	39	40	39	37	41	41	35	15	20	28	26	33	26	19	19	24	32	38	39	41	47	39	33	40	46	42	37	42	44	43	34.9
	MIN	5	10	12	25	31	25	25	13	6	-08	-01	0	9	-09	-07	1	-04	0	19	24	29	22	29	26	13	22	31	28	20	25	20	14.2
BELCOURT INDIAN RES	MAX	32	24	23	39	33	22	42	12	10	14	18	26	21	2	15	14	21	18	25	28	23	29	29	32	35	38	30	32	34	37	43	25.8
	MIN	12	4	16	18	11	-15	12	-14	-10	-20	-15	0	-02	-14	-12	1	3	2	6	21	15	15	18	22	28	26	22	23	13	7	15	6.7
BELFIELD	MAX	42	43	44	43	42	42	41	31	23	24	35	28	30	16	26	22	27	34	40	37	38	39	34	34	44	45	44	40	46	44	43	36.2
	MIN	5	8	8	22	29	25	28	5	0	-12	-03	-05	-03	-08	-16	5	-05	-02	22	27	28	25	27	25	15	14	28	24	18	18	17	11.9
BISMARCK WB CITY	MAX	26	32	26	41	43	36	43	45	16	15	23	30	29	20	11	26	21	28	34	34	35	35	37	35	35	41	36	49	45	49	40	32.8
	MIN	7	6	12	18	32	19	21	2	5	3	9	8	9	-05	-04	9	4	5	16	25	26	24	25	28	29	21	25	31	28	24	24	15.7
BISMARCK WB AIRPORT	MAX	32	24	38	41	37	38	43	25	14	22	28	32	19	9	25	21	28	31	31	35	34	37	35	34	39	34	48	44	48	43	39	32.5
	MIN	6	5	24	18	30	17	25	3	0	-02	5	6	3	-05	-05	9	4	4	20	30	25	26	30	30	26	22	25	30	24	24	23	15.5
BOTTINEAU	MAX	27	26	27	34	25	25	37	24	12	12	18	26	23	5	14	15	20	20	22	32	31	30	32	41	34	38	32	37	37	35	36	26.7
	MIN	12	5	14	16	-01	-03	17	-12	-16	-15	-01	10	-04	-17	-19	-05	-09	-03	-03	14	18	7	21	25	25	17	23	20	13	12	12	5.6
BOWBELLS R R STATION	MAX	30	30	32	37	31	31	38	33	10	19	34	30	33	30	22	32	11	22	27	32	30	25	34	32	32	33	36	41	35	42	37	30.4
	MIN	6	5	7	17	13	14	15	-06	-06	0	0	0	-08	-20	-06	-01	-02	0	14	21	16	16	20	24	24	24	25	28	20	22	20	9.7
BOWMAN COURT HOUSE	MAX	32	37	36	37	33	43	42		12	18	26	25	21		18	17	22	31	39	37	39	41		32	41	48	46		43	41	38	33.1
	MIN	11	15	14	26	31	23	30	11	7	-11	-02	5	10	-06	-13	6	2	6	17	27	30	25	29	26	18	23	31	27	21	30	15	15.6
CARRINGTON	MAX	21	26	25	34	37	33	34	38	9	14	19	25	30	14	6	18	18	23	26	29	33	29	34	33	32	35	32	38	39	42	36	27.8
	MIN	-10	9	9	23	23	0	2	-07	-08	-07	-03	5	7	-10	-10	-05	2	1	2	14	12	18	18	24	28	24	25	26	28	21	21	9.1
CARSON 2 8 W	MAX	33	33	38	38	37	38	39	33	15	21	30	30	22	14	25	22	25	37	32	35	36	35	35	33	39	45	43	40	48	44	40	33.4
	MIN	8	7	18	21	29	23	29	9	0	-09	-01	5	3	2	-12	7	-03	1	27	29	26	27	29	27	22	19	24	28	21	21	19	14.7
CAVALIER POWER PLANT	MAX	31	29	32	42	36	15	42	28	16	23	26	33	30	12	20	19	23	20	25	32	32	33	34	36	37	43	40	40	42	39	37	30.5
	MIN	-01	8	20	10	11	-11	12	-12	-12	-10	-02	0	-01	-10	-08	3	2	-03	0	20	13	18	8	26	30	34	29	25	22	15	19	8.2
CENTER	MAX	30	23	38	39	36	35	38	35	14	21	25	28	21	8	22	19	24	30	32	35	32	36	35	33	37	34	45	40	48	39	37	31.3
	MIN	3	5	20	24	30	19	26	3	0	-05	-04	2	4	-09	-15	5	-02	-05	20	28	28	24	28	29	26	16	24	31	23	19	18	13.4
COOPERSTOWN	MAX	26	25	30	36	33	26	48	32	16	18	29	36	28	11	19	17	22	22	30	30	30	34	34	33	38	35	34	41	40	35	40	29.9
	MIN	6	15	20	20	17	-11	20	-05	-10	-04	1	10	-04	-11	-07	2	1	1	6	26	23	17	21	30	31	26	28	28	28	12	24	11.6
CROSBY	MAX	29	34	32	36	36	35	34	35	9	20	23	26	22	10	10	19	18	24	27	35	31	31	31	31	30	31	39	45	32	42	40	28.9
	MIN	2	2	3	9		22	22	-05	-05	-01	5	7	-01	-11	-12	-10	-01	-02	4		18	18	25	24	24	26	23	25	21	23	21	9.5
DEVILS LAKE W B CITY	MAX	27	22	31	36	32	30	38	7	11	17	25	28	15	3	15	14	21	20	30	30	27	30	32	35	33	37	34	35	38	33	33	26.4
	MIN	7	7	21	21	2	-08	4	-10	-09	-05	-02	4	-07	-14	-09	-04	-04	2	5	27	18	17	19	29	28	25	28	26	20	12	12	8.5
DICKINSON CAA	MAX																17	23	30	32	34	36	34	34	31	39	46	42	36	46	44	41	
	MIN	9	8	13	26	27	24	30	5	-04	-08	0	2	0	-09	-14	2	-02	1	23	30	29	29	29	25	16	15	28	24	19	21	19	13.5
DICKINSON EXP STATION	MAX	28	36	36	39	40	38	37	39	11	12	19	28	25	20	7	20	17	24	25	33	35	36	36	33	31	38	44	43	38	44	42	30.8
	MIN	2	-02	2	17	27	26	27	8	3	-19	-05	-02	5	-07	-17	0	-07	-04	5	25	28	28	29	28	17	15	22	26	16	19	18	10.6
DRAKE	MAX	23	31	24	34	36	30	36	37	14	12	20	27	28	15	8	16	18	25	22	31	31	28	34	32	36	32	39	39	41	40	30	28.0
	MIN	8	4	8	21	22	12		-06	-05	-06	-03	6	0	-15	-13	-05	-01	-03	0	17	22	22	24	28	29	22	23	29	21	16	12	9.6
DUNN CENTER	MAX	38	28	38	48	38	37	41	38	15	21	28	30	22	12	20	20	27	27	34	39	34	37	36	38	37	37	42	40	43	41	44	33.2
	MIN	-05	-03	-05	20	29	25	28	6	-02	-11	-03	-08	5	-12	-17	2	-03	-08	23	30	26	30	29	24	19	10	23	29	14	13	16	10.5
DUNSEITH ST SANITARIUM	MAX	26	23	26	40	36	20	41	30	10	13	17	24	23	6	9	12	21	20	25	28	28	28	31	34	35	37	30	31	32	37	39	26.2
	MIN	11	12	15	21	15	-02	18	-13	-07	-06	-02	6	-02	-15	-13	0	1	2	6	23	16	15	19	24	27	25	23	22	16	14	16	9.3
ECKMAN	MAX	25	25	19	37	37	29	37	36	6	17	23	25	26	14	40	22	13	20	19	30	31	31	33	30	33	33	35	33	35	42	34	28.1
	MIN	0	-01	-01	10	20	-01	10	-09	-10	-13	-13	2	-05	-15	-17	-17	-06	-08	-07	16	19	18	21	25	27	13	20	21	12	10	4	4.0
EDGELEY EXP FARM	MAX	38	32	33	44	40	35	45	35	21	32	32	42	28	19	29	27	30	32	34	36	35	40	38	34	38	33	45	45	43	40	44	35.5
	MIN		22	23	31	29	10	27	5	0	0	4	9	12	-05	-05	9	8	7	11	27	27	22	22	28	27	27	25	30	27	23	25	16.9
ELBOWOODS	MAX	28	30	40	41	40	39	40	35	14	28	25	28	18	8	20	18	25	30	35	35	35	37	35	34	35	35	45	38	46	40	42	32.2
	MIN	2	4	11	13	28	22	32	4	4	-12	0	8	4	-12	-15	5	-05	10	18	30	25	27	28	28	26	18	25	28	18	20	15	13.2
ELLENDALE NORMAL SCH	MAX	39	33	33	44	37	34	44	27	21	21	33	42	26	16	26	27	31	33	32	40	39	41	39	33	40	38	43	46	38	37	38	34.5
	MIN	16	21	23	28	29	13	27	8	1	-01	0	9	14	-02	-03	13	7	8	13	29	28	18	19	31	28	25	28	30	28	25	28	17.5

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
EPPING	MAX	29	27	35	35	36	38	37	33	16	22	28	26	19	8	20	17	24	28	37	32	33	45	37	30	35	41	44	38	42	42	48	31.7
	MIN	4	8	10	17	28	21	30	3	5	-05	17	5	0	-15	-10	0	-01	1	19	29	25	29	28	25	24	21	29	29	20	25	20	14.2
FARGO WB AIRPORT	MAX	35	26	34	37	34	21	40	15	14	18	27	36	27	9	24	23	26	19	32	35	34	31	36	34	36	34	36	39	40	40	41	30.1
	MIN	4	21	24	20	8	-05	15	-04	-10	1	4	12	6	-05	-03	8	6	9	9	29	23	20	18	32	30	25	29	30	29	26	27	14.1
FESSENDEN	MAX	28	25	35	38	34	39	35	35	14	21	26	29	25	10	18	18	23	27	25	32	28	35	34	34	35	34	36	38	41	36	33	29.7
	MIN	7	7	19	23	23	24	5	-08	-06	-04	1	6	2	-13	-08	3	2	-01	6	10	6	20	23	28	29	26	25	26	24	19	18	11.0
FORMAN	MAX	42	37	43	47	40	32	48	38	20	23	32	42	37	12	28	29	34	30	36	43	40	42	39	33	41	39	42	46	44	40	49	37.0
	MIN	10	20	25	27	25	6	19	6	-01	4	5	12	12	-02		13	7	7	13	27	29	21	23	29	31	27	29	30	28	27	27	17.9
FORT YATES	MAX	35	30	42	45	48	40	45		20	25	30	42	30	28	25		31	36	33	37	38	47	42	35	46	46	53	46	49	42	44	38.3
	MIN	14	12	25	25	32	22	32	14	4	0	7	10	10	2	-04	14	7	6	23	32	29	27	32	32	27	22	26	32	23	20	22	18.7
FOXHOLM WILDLIFE REF	MAX	33	32	43	36	33		38	36	17	25	27	27	24	9	22	22	24	25	32	31	30	36	36	32	33	37	44	38	42	37	42	31.4
	MIN	10	4	14	21	16		30	-07	0	-01	9	10	0	-10	-08	2	3	1	15	28	17	20	27	26	27	19	22	27	21	12	15	12.3
FULLERTON	MAX	40	32	34	44	38	35	46	37	22	24	34	42	32	18	28	25	30	32	36	38	33	45	41	33	41	34	45	46	41	40	44	35.8
	MIN	17	21	24	26	4	10	27	8	1	0	2	9	14	3	-03	12	5	6	13	29	28	22	23	31	28	22	26	31	28	28	26	16.7
GACKLE	MAX	28	26	30	37	38	31	40	35	16	16	28	31	26	12	23	22	23	28	33	33	31	35	35	32	36	33	44	42	41	41	39	31.1
	MIN	17	9	21		19	11	27		-02	-01	2	5	9	-08	-05	5	3	3	11	27	25	18	22	30	29	20	23	31	30	23	24	14.8
GARRISON	MAX	27	33	26	40	42	37	35	40	15	14	23	30	23	8	19	20	26	27	33	35	34	35	35	36	37	34	46	42	43	41	39	31.5
	MIN	11	9	18	20		18		5	0	-05	-05	-04	2	-08	-09	3	0	-01	16	30	24	25	29	30	28	22	23	30	22	21	18	12.8
GRAFTON STATE SCHOOL	MAX	29	28	33	38	36	23	41	32	14	21	23	29	29	13	17	19	25		23	31	30	31	34	36	40	42	38	40	39	37	38	30.3
	MIN	-02	15	20	10	13	-12	12	-10	-11	-13	-07	-03	1	-10	-12	-01	3	1	-03	21	21	15	7	30	30	28	30	27	21	15	19	8.2
GRAND FORKS CAA	MAX	27	26	33	35	31	21	38	8	13	19	25	33	15	6	18	18	22	14	26	33	30	48	39	35	35	39	37	38	37	33	35	27.9
	MIN	2	20	19	15	-06	-15	8	-11	-15	-02	-04	3	-04	-12	-10	-02	0	2	2	24	18	17	9	32	32	25	30	28	20	14	15	8.2
GRAND FORKS UNIVERSITY	MAX	29	26	34	38	30	25	42	11	13	18	24	32	19	8	19	20	23	15	26	33	30	28	37	36	38	39	37	39	39	35	37	28.4
	MIN	1	20	21	15		-13	-05	-09	-15	-02	-03	2	-11	-12	-10	-01	0	3	3	24	18	16	13	32	27	26	30	29	18	17	16	8.3
GRANVILLE	MAX	38	25	38	41	35	32	37	29	13	26	27	29	20	7	22	18	24	23	31	32	32	35	35	37	34	34	40	43	43	34	39	30.7
	MIN	5	2	5	20	19	10	24	-07	-03	-10	0	5	-03	-15	-14	-01	-02	-05	12	27	20	20	23	26	27	15	21	21	15	10	8	8.9
GRENORA	MAX		33	32	40	40	38	38	33	32	28	32	28	10	4	10	22	28	37	36	37	46	45	42	33	47	48	43	40	42	47	50	34.7
	MIN	7	10	8	20	32	22	20	0	13	5	13	10	-08	0	0	8	2	0	20	26	32	31	28	26	26	26	31	30	23	24	21	16.3
HANKINSON R R STATION	MAX			30	35	45	33	35	50	13	19	20	28	41	31	12	22	28	32	25	31	47	32	35	37	35	37	34	40	38	39	41	41	42	32.9
	MIN		13	12	24	28	5	0	10	-04	-04	-03	9	14	0	-04	0	10	8	6	11	22	22	20	21	30	26	28	29	28	28	26	13.8
HANSBORO	MAX	30	19	27	36	32	22	37	28	12	20	19	28	11	4	14	15	19	21	26	29	25	30	29	32	34	41	31	34	35	35	35	26.1
	MIN	7	3	14	13	8	-11	6	-16	-16	-11	-09	4	-10	-16	-13	-02	0	5	1	22	14	12	19	25	27	21	17	14	10	10	11	5.1
HILLSBORO	MAX	32	25	34	41	35	24	44	25	15	21	28	35	31	12	24	22	25	20	29	33	34	32	35	35	40	40	37	42	42	36	39	31.2
	MIN	4	20	23	19	20	-06	12	-04	-10	2	-02	7	5	-08	-05	5	4	11	8	27	26	18	14	32	32	24	30	30	30	22	24	13.4
JAMESTOWN CAA	MAX	31	25	31	36	34	32	43	18	19	22	30	37	23	10	23	22	27	30	35	32	30	36	34	35	37	33	43	44	43	39	43	31.5
	MIN	17	17	24	23	15	3	15	1	-02	-01	3	12	2	-06	-03	7	6	3	12	28	22	21	25	30	23	18	26	29	28	24	25	14.4
JAMESTOWN STATE HOSP	MAX	29	28	32	38	35	32	43	37	17	20	31	38	28	14	25	22	26	28	35	33	31	35	35	33	37	33	44	44	42	38	42	32.4
	MIN	16	18	23	24	25	3	28	-01	-02	-01	5	12	10	-08	-03	8	6	6	8	28	26	21	25	30	28	19	26	28	31	25	28	15.9
KENMARE	MAX	27	38	32	44	41	37	37	41	10	19	23	31	30	18	13	27	22	30	30	33	30	25	35	32	35	38	36	44	38	47	39	31.6
	MIN	8	7	8	17	26	17	21	-06	-05	3	5	11	0	-10	-06	-03	4	2	8	20	16	16	20	23	25	17	21	28	24	18	13	11.2
KENSAL WILDLIFE REFUGE	MAX	25	25	34	36	35	28	39	36	14	17	26	29	28	13	19	17	23	25	31	31	29	34	34	32	35	35	35	38	36	35	37	29.3
	MIN	8	14	20	20	21	-05	21	-06	-09	-06	-01	3	6	-10	-07	3	4	2	10	26	25	18	29	29	28	22	26	28	28	16	26	12.5
LA MOURE	MAX	40	29	32	44	38	35	46	36	32	21	31	43	29	18	28	25	31	32	37	38	32	40	39	34	40	37	44	45	42	40	41	35.5
	MIN	15	20	22	26	25	6	27	5	0	0	3	9	12	0	-04	11	6	6	12	29	27	21	23	30	28	21	26	30	28	24	26	16.8
LANGDON EXP FARM	MAX	30	28	28	35	33	22	38	27	10	18	22	29	24	5	13	15	19	23	24	28	27	32	27	35	37	41	33	40	35	41	41	27.7
	MIN	3	1	17	11	10	-15	13	-17	-16	-13	-03	0	-04	-18	-16	-09	-08	2	0	18	17	11	12	23	28	25	25	21	12	8	7	4.7
LARIMORE	MAX	28	26	32	36	34	22	41	22	13	18	26	35	13	7	17	17	22	18	28	31	30	33	34	34	36	38	35	38	37	33	37	28.1
	MIN	2	17	22	23	10	-10	17	-09	-11	-03	-04	5	1	-12	-08	1	0	9	5	26	19	17	11	30	30	29	29	27	22	19	22	10.8
LEEDS	MAX	28	22	34	37	33	29	38	25	14	20	21	38	30	8	14	10	21	24	28	31	30	33	33	34	34	40	37	38	40	36	37	28.9
	MIN	12	0	17	19	15	-09	23	-11	-10	-09	1	7	-02	-16	-07	-06	-07	-03	3	16	21	17	19	29	29	26	27	26	24	12	12	8.9
LINTON	MAX	35	29	37	45	37	36	42	38	20	24	31	41	28	14	27	24	29	35	32	35	34	41	40	34	44	40	52	48	48	42	41	35.6
	MIN	15	9	22	16	31	20	30	7	1	-01	5	8	10	0	-07	12	3	1	20	30	29	25	30	30	30	25	25	30	28	22	22	17.0
LISBON	MAX	39	30	34	43	37	31	46	37	19	31	24	40	38	17	22	26	30	26	34	37	34	37	37	34	40	34	41	45	40	40	43	34.4
	MIN	1	10	23	26	24	3	27	4	-02	0	2	9	11	-03	-02	12	8	10	12	28	28	20	23	31	29	23	29	31	28	24	27	16.0
MADDOCK AGR SCHOOL	MAX	25	23	33	35	32	29	36	33	11	20	25	27	25	12	15	15	20	20	35	31	29	33	32	32	33	37	34	38	39	33	32	28.2
	MIN	7	4	19	20	18	-05	21	-10	-10	-09	-04	4	-02	-15	-12	-04	-02	-07	8	27	21	18	20	29	28	23	25	28	24	11	10	9.2
MANDAN EXP STATION	MAX	24	30	25	39	42	37	40	42	13	14	22	28	30	18	7	25	18	25	32	32	34	33	36	35	33	38	35	47	42	46	41	31.1
	MIN	5	9	12	25	30	18	21	5	1	-01	3	6	9	-05	-07	3	2	2	12	22	25	25	28	31	27	21	23	31	26	22	23	14.6
MANDAN FT LINCOLN PARK	MAX	35	30	42	45	38	38	44	37	17	24	30	34	24	14	26	22	29	35	32	35	36	37	36	34	41	38	51	45	51	44	40	35.0
	MIN	6	7	21	22	31	18	22	4	-01	-02	4	5	9	-05	-06	9	3	4	21	30	25	27	25	31	27	21	25	32	25	24	23	15.7
MARMARTH	MAX	39	40	45	40	39	47	44	36	17	25	22	28	23	10	26	20	30	34	45	47	47	50	47	35	45	51	47	41	39	44	45	37.0
	MIN	-02	0	5	20	33	31	30	17	8	-11	-01	3	3	-03	-11	2	3	5	20	29	32	25	32	28	20	22	30	30	20	20		14.7
MAX	MAX	26	30	24	38	39	38	34	38	14	14	20	26	28	18	7	19	16	23	22	32	36	31	36	36	37	36	35	43	38	43	39	29.5
	MIN	8	7	10	18	18	11	18	-02	-04	-07	-07	4	2	-12	-12	-09	-02	-01	2	16	22	20	21	28	26	24	22	29	20	20	18	9.9
MAYVILLE	MAX	32	26	34	37	35	25	42	35	14	20	28	39	30	10	22	18	24	25	30	32	32	32	35	34	37	37	36	39	39	39	38	30.8
	MIN	2	19	18	21	17	-10	15	-05	-09	-02	0	7	4	-08	-03	3	4	4	8	28	26	21	17	32	30	28	30	30	26	24	22	12.9
MC HENRY 5 N	MAX	25	24	30	34	32	24	37	33	12	16	26	31	25	9	15	15	20	23	30	30	29	30	32	32	32	34	32	39	43	36	35	27.9
	MIN	5	13	20	20	17	-08	20	-08	-12	-07	-01	2	0	-15	-13	-02	-04	-01	4	26	24	17	20	30	28	26	27	28	23	15	18	10.1
MC LEOD 3 E	MAX	40	34	42	37	27	45	37	29	22	27	41	35	22	27	29	32	32	29	38	35	36	37	36	35	39	35	37	45	41	41	45	35.1
	MIN	5	24	24	22	7	18	5	-03	4	5	13	12	-03	-03	12	11	8	10		28	21	23	21	22	30	21	29	32	32	26	28	16.1
MEDORA STATE PARK	MAX		43	47	44	37	48	46	41	17	24	32	30	22	14	18	24	28	34	40	44	43	47	44	36	47	52	46	38	48	47	49	37.8
	MIN	0			26	35	28	32	10	5	-07	0	5	7	-05	-10	9	-01	5	12	27	26	28	26	24	18	28	30	28	20	21	18	15.3
MEDORA T R N M P	MAX	42	45	44	46	43	45	42	37	16	24	33	27	24	11	24	21	29	33	40	42	39	49	39	46	43	50	47	40	47	41	45	37.2
	MIN	-05	1	10	13	33	28	34	12	6	-11	0	1	11	-03	-12	8	-02	0	6	12	30	28	30	29	20	17	28	30	19	19	18	13.2
MINOT CAA	MAX	30	26	35	38	33	32	38	10	12	21	26	27	16	8	19	18	24	26	32	31	29	35	33	32	33	32	41	37	42	29	37	28.5
	MIN	12	8	17	25	16	16	11	-06	1	-03	7	11	-06	-09	-08	3	3	3	16	24	19	21	27	27	26	21	22	27	20	10	14	12.1
MINOT EXP FARM	MAX	30	30	30	36	36	31	38	27	15	19	29	27	23	8	27	17	23	25	31	31	30	35	34	32	34	38	40	37	40	32	36	29.7
	MIN	10	8	15	23	24	14	27	-06	0	-05	4	9	0	-11	-09	3	2	2	17	28	19	22	26	27	28	17	20	28	19	17	15	12.7

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5–Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MOHALL	MAX	26	25	33	37	32	34	34	15	20	27	26	19	21	5	23	14	20	24	32	32	24	34	34	33	33	38	36	41	34	32	33	28.1
	MIN	-01	3	-01	22	16	11	5	-09	-01	-07	8	6	-06	-14	-12	-03	-02	-04	13	24	17	18	25	25	26	15	23	25	15	18	13	8.6
MOTT RR STATION	MAX	33	37	38	39	37	41	40	35	14	21	27	26	24	17	22	18	22	34	33	34	34	35	35	35	40	44	45	43	44	43	46	33.4
	MIN	4	-02	14	17	29	18	29	10	4	-12	-07	-03	8	-06	-17	8	-05	-01	24	29	26	29	30	29	20	18	29	27	30	20	21	13.5
MUNICH 4 SW	MAX	30	24	26	34	32	27	37	20	9	16	21	25	20	3	9	12	22	24	25	29	26	31	28	36	35	36	35	40	34	37	32	26.3
	MIN	2	2	19	22	12	-17	17	-15	-13	-12	-03	-01	-02	-15	-16	-08	4	7	9	24	18	14	16	25	29	22	27	23	11	19	11	7.5
NAPOLEON 2 SE	MAX	26	27	31	37	35	31	38	35	16	17	24	33	26	12	22	19	23	26	31	34	32	35	35	32	36	35	43	41	40	37	39	30.6
	MIN	16	3	19	20	29	14	27	1	-05	-03	4	5	5	-10	-08	7	1	1	15	28	26	23	27	29	26	21	24	31	27	22	20	14.4
NEW ENGLAND	MAX	38	36	42	43	43	43	45	43	21	25	34	31	29	23	23	25	25	35	38	39	39	41	41	41	43	49	55	45	45	50	45	37.9
	MIN	4	-01	10	24	31	24	30	12	5	-11	-04	-02	9	-06	-14	8	-02	0	24	30	31	29	30	28	18	18	29	28	22	22	19	14.4
NEW SALEM 1 S	MAX	32	31	35	39	37	35	40	36	14	22	29	29	20	10	22	24	28	31	32	35	33	34	34	33	38	37	43	37	43	41	40	32.1
	MIN	10	10	12	19	20	22	30	12	3	-04	1	7	3	-07	-08	7	0	15	17	22	24	26	29	31	29	17	24	26	24	23	18	14.9
OAKES WATER WORKS	MAX	30	42	31	33	46	33	35	46	19	21	22	33	43	24	13	27	28	32	32	32	39	33	40	41	33	41	35	44	46	41	39	34.0
	MIN	-07	21	21	25	25	9	12	11	1	2	4	5	13	-01	-03	-03	6	8	10	16	25	20	23	27	29	26	27	28	28	26	26	14.8
PARK RIVER	MAX	30	30	31	38	36	24	39	29	15	19	26	34	34	7	16	18	21	18	25	30	28	31	34	35	38	41	36	41	37	36	40	29.6
	MIN	-03	-03	21	21	13	-10	19	-10	-09	-05	1	4	3	-09	-07	2	1	4	6	23	20	17	9	30	31	28	30	26	21	18	25	10.2
PARSHALL	MAX	30	29	35	38	37	35	38	35	13	24	23	26	15	8	21	20	25	25	33	33	31	35	35	32	35	31	45	40	43	37	39	30.5
	MIN	5	6	15	20	28	21	27	-01	3	-10	1	1	1	-10	-13	3	0	-06	19	30	20	26	30	27	26	22	24	30	18	20	16	12.9
PEMBINA CAA	MAX	26	25	32	36	28	19	38	2	14	20	23	29	10	5	16	15	18	17	25	32	29	28	33	33	33	37	37	34	38	33	34	25.8
	MIN	1	18	13	13	-05	-13	2	-14	-13	-13	-02	-01	-06	-10	-12	2	2	-06	-05	24	17	10	7	30	31	29	30	26	22	11	15	6.5
PETERSBURG	MAX	26	22	32	37	32	23	39	18	12	8	22	24	20	5	15	15	19	19	24	29	26	39	32	32	35	35	37	38	38	32	39	26.6
	MIN	4	9	19	19	16	-15	16	-10	-12	0	0	5	2	-15	-13	-05	5	7	3	18	18	16	13	28	28	27	27	26	23	13	-01	8.7
PETTIBONE	MAX	29	27	37	43	38	32	40	25	17	20	26	31	25	10	21	17	23	30	31	35	30	37	37	33	37	35	43	43	43	37	38	31.3
	MIN	9	5	21	5	25	10	22	-06	-09	-05	-01	-01	5	-12	-13	4	-05	-04	11	27	24	22	24	29	28	16	24	30	28	19	19	11.3
PORTAL	MAX	28	27	33	34	34	33	35	35	9	16	23	24	24	12	7	16	15	20	27	33	30	24	34	34	31	32	38	42	34		40	27.5
	MIN	6	5	9	17	24	10	29	-08	-07	-01	9	8	-03	-16	-15	-03	-03	-04	9	23	17	17	22	24	24	26	21	24	17		14	9.8
RICHARDTON ABBEY	MAX	37	32	40	40	37	36	40	36	14	22	29	28	23	16	21	20	27	30	31	33	35	36	35	39	39	45	43	38	45	42	39	33.2
	MIN	10	8	15	25	29	24	30	6	2	-10	0	0	6	-08	-12	6	3	5	22	28	25	29	29	26	20	20	28	28	20	24	19	14.7
RIVERDALE	MAX	29	29	37	39	35	33	39	35	12	19	25	27	21	8	19	19	25	28	31	32	32	35	35	35	36	35	46	42	44	42	39	31.1
	MIN	9	9	15	20	27	16	28	-01	-01	-02	1	8	2	-09	-09	3	3	4	18	28	22	24	28	29	26	21	21	31	22	22	19	14.0
ROLLA	MAX	37	22	27	39	33	23	41	10	13	16	19	27	21	9	12	18	23	19	25	26	24	29	28	32	36	40	32	35	35	35	38	26.6
	MIN	11	3	16	18	11	-06	10	-14	-09	-05	-05	-02	-01	-12	-10	1	3	6	4	24	16	14	19	23	28	25	21	21	17	9	19	8.2
RUGBY 1 N	MAX	24	24	33	35																												
	MIN	15	0	22	15	10	-05	27	-11	-10	-15	-02	11	-05	-17	-14	-15	-08	-06	12	18	29	18	25	27	28	25	28	34	19	10	8	8.8
SANISH	MAX	31	25	29	38	39	38	42	40	15	17	25	25	22	17	9	24	19	22	27	37	34	32	39	34	34	37	33	46	37	37	42	30.5
	MIN	10	11	15	10	12	25	25	4	2	-08	-08	4	4	-08	-08	-08	-01	-02	-02	21	25	28	28	28	27	24	22	29	20	19	18	11.8
SHARON	MAX	27	25	32	35	32	24	38	34	15	18	27	34	27	10	18	18	23	21	29	31	29	33	32	33	33	37	34	38	37	38	39	29.1
	MIN	4	16	21	20	14	-12	21	-07	-08	-02	1	11	3	-11	-07	2	0	6	5	25	21	18	21	30	29	27	27	28	27	23	23	12.1
STANLEY	MAX	32	27	34	35	34	35	36	33	15	20	22	24	14	6	19	15	22	26	33	30	32	35	32	32	32	31	45	35	42	38	44	29.4
	MIN	2	2	3	18	24	17	24	-07	0	-06	2	1	-04	-15	-16	-03	-03	-03	2	21	16	23	23	21	23	20	19	28	18	16	14	9.0
STEELE	MAX	28	27	36	41	39	32	43	36	15	21	27	33	25	12	22	18	24	29	31	34	31	34	35	34	39	33	45	44	44	39	40	32.0
	MIN	10	2	19	15	28	13	24	-01	-05	-02	0	3	6	-09	-12	6	-04	-03	15	28	26	23	25	29	28	19	23	29	29	29	20	13.3
TOWNER	MAX	25	22	35	38	38	24	39	22	18	22	34	30	20	14	19	21	22	23	32	32	33	32	33	38	44	40	33	48	42	33	38	30.5
	MIN	18	0	2	17	13	5	18	-08	2	-11	-01	8	-02	-16	-13	-08	-02	-05	5	29	18	28	22	27	22	20	24	27	17	19	10	9.2
TURTLE LAKE	MAX	26	25	32	38	34	33	37	35	13	18	26	28	24	13	19	16	22	25	30	35	33	35	35	34	34	33	42	38	40	40	36	30.0
	MIN	9	3	16	15	24	14	27	-01	-05	-07	1	4	0	-13	-11	-01	6	-04	14	28	22	23	25	29	27	18	22	30	22	18	15	11.9
UNDERWOOD 12 W	MAX	30	30	38	43	37	31	41	36	10	20	27	30	26	20	20	20	25	30	35	34	45	37	35	34	36	36	48	38	43	42	38	32.7
	MIN	2	4	19	17	23	18	18	-01	-02	-12	-06	-03	4	-07	-17	6	-06	-08	18	29	23	26	28	29	27	27	23	31	21	16	15	11.7
UPHAM WILDLIFE REFUGE	MAX	26	23	35	40	36	29	40	34	16	21	26	30	27	9	21	18	24	26	29	35	35	33	35	42	37	37	40	41	42	35	37	30.9
	MIN	7	-03	4	17	17	-03	20	-10	-08	-19	-04	4	-04	-17	-22	-03	-05	-09	6	25	21	19	21	21	28	18	23	28	22	11	4	6.7
VALLEY CITY	MAX	35	29	33	40	40	30	45	38	18	22	30	40	38	16	25	24	27	26	35	34	34	36	36	35	38	38	38	44	41	40	43	33.8
	MIN	11	18	21	20	21	0	27	5	-05	5	2	11	10	-07	-01	9	8	9	12	28	28	20	21	32	32	20	29	31	30	21	24	15.9
VAN HOOK	MAX	33	27	38	39	36	37	43	36	15	25	25	27	18	10	24	19	25	27	35	33	32	36	34	33	36	34	46	39	45	39	41	31.9
	MIN	4	6	13	20	29	23	28	0	4	-06	3	4	-01	-09	-10	4	0	-02	20	30	22	27	30	26	26	21	26	30	21	22	18	13.8
VELVA	MAX	31	29	39	41	35	33	40	30	13	25	29	29	22	10	22	20	25	27	30	32	32	35	36	34	36	33	39	40	44	36	39	31.2
	MIN	8	9	15	24	26	14	30	-05	-01	-07	7	11	2	-10	-07	4	3	0	15	29	22	25	26	29	29	26	23	29	20	14	14	13.7
WAHPETON STATE SCHOOL	MAX	40	36	35	42	39	25	42	39	20	20	27	39		17	24	24	27	26	33	40	37	34	40	37	40	39	37	44	41	42	46	34.4
	MIN	4	21	25	25	23	-04	17	5	-07	4	8	12	11	-03	1	11	6	6	6	29	31	22	23	32	31	27	29	31	27	27	29	16.4
WASHBURN	MAX	30	27	37	39	38	36	41	37	12	23	26	30	25	16	23	20	26	30	32	35	33	37	36	34	38	35	40	41	45	39	38	32.2
	MIN	8	8	19	22	28	18	31	2	-01	-02	4	10	5	-08	-06	5	2	2	20	30	24	25	29	30	28	18	25	33	26	22	19	15.4
WATFORD CITY	MAX	34	41	39	40	40	38	39	35	17	22	28	27	22	11	21	21	26	32	41	35	36	50	39	34	40	47	47	36	42	48	46	34.6
	MIN	6	2	10	20	29	22	31	8	6	-08	3	1	2	-10	-08	3	2	1	23	19	28	30	29	26	21	14	29	30	21	23	19	13.9
WESTHOPE	MAX	29	20	31	37	31	30	38	10	19	19	22	28	15	8	11	15	22	20	29	34	27	32	34	34	36	35	33	34	40	35	34	27.2
	MIN	0	0	9	22	17	0	10	-11	-06	-10	-01	2	-10	-18	-14	-07	-07	-06	9	25	17	18	23	25	28	21	24	21	11	8	3	6.5
WILLISTON WB CITY	MAX	31	35	38	38	35	39	40	22	15	23	29	27	15	10	18	19	27	30	40	35	37	48	34	32	39	45	48	37	42	45	48	32.9
	MIN	8	6	9	20	30	24	22	7	3	0	10	11	2	-07	-05	2	5	4	24	29	30	32	29	27	23	23	31	27	25	25	22	16.1
WILLOW CITY	MAX	25	21	32	39	34	30	39	20	16		25	28	15	5	14	15	21	21	30	30	32	32	32	40	35	39	32	33	39	35	36	28.2
	MIN	7	-02	9	14	14	-07	18	-11	-12		-20	0	-06	-18	-22	-06	-09	-07	0	25	20	19	21	26	28	25	25	24	14	7	9	6.2
WILTON RR STATION	MAX	22	29	23	36	40	35	38	40	9	14	20	28	16	21		21	18	23	27	31	32	28	33	33	30	35	32	43	38	41	36	29.1
	MIN	9	8	10	22	25	15	19	0	-04	-02	-02	3	-10	-10		-10	3	5	7	17	23	22	25	29	26	18	18	30	25	22	20	12.1
WISHEK	MAX	23	35	27	31	41	37	34	41	20	20	20	31	43	19	8	21	21	26	32	32	33	32	39	35	33	43		43	45	45	40	31.7
	MIN	-01	5	8	22	26	15	23	6	0	-07	3	7	8	-05	-06	2	3	2	9	17	27	24	27	29	27	19		26	29	23	23	13.0

See reference notes following Station Index.

GPO CA F20 5-26-49 1,100

NORTH DAKOTA

MARCH 1949

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 6	0022	WALSH	10	48 20	98 08			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	15	47 50	103 58	1200		8A	ARTHUR J BAUMAN	3
ALMONT 7 W	0136	MORTON	4	46 45	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 8
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	H A BURY	3
AMIDON	0209	SLOPE	1	46 29	103 19	2908	5P	5P	STANLEY W BALZ	2 3 3
ARVILLA STATE PARK	0389	GRAND FORKS	10	47 58	97 30	960	6P	6P	ALBERT THOREN	2 5 8
ASHLEY	0382	MC INTOSH	6	46 02	99 22	2025	8A	8A	SOO LINE AGENT	2 5 4 5
BALDHILL DAM	0450	BARNES	11	47 02	88 05	1300	6A	8A	F A JOHNSON	2 3 5
BALFOUR RR STATION	0482	MC HENRY	12	47 57	100 32			MID	C G THOMSON	3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F HODGIS	2 3 8
BELCOURT INDIAN RES	0628	ROLETTE	9	48 50	99 45	1960	7P	7P	TURTLE MT INDIAN AG	2 5 5
BELFIELD	0659	STARK	4	46 52	103 11	2592	7P	7P	CARL LEMERGAARD	2 3 3
BEULAH	0766	MERCER	6	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISBEE	0786	TOWNER	2	48 57	99 22	1601	6P	6P	ROBERT L PETERSON	2 3 3
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1870	10A	10A	O S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1650	MID	MID	U S WEATHER BUREAU	2 3 4 5
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1858	4P	4P	W D SCHL OF FRSTRY	2 3 3
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 32	2160	6P	6P	PARK SUPT	2 3 8
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 13	1938	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O H HOOK	2 9 4 8
BRIEW	1052	MORTON	1	46 23	100 57	1719		8A	MELVIN NELSON	2 3
BUTTE	1225	MC LEAN	12	47 50	100 40	1740	6P	6P	N D ANDERSON	2 3 3
CARRINGTON	1360	FOSTER	5	47 27	99 08	1578	7A	7A	SOO LINE AGENT	2 5 5
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W KYNES	2 3 5
CASSELTON	1400	CASS	10	46 54	97 15	934	5P	5P	WALLACE O SWEENEY	2 3 8
CAVALIER POWER PLANT	1435	PEMBINA	9	48 46	97 38	894	5P	5P	CITY LIGHT & POWER	2 5 3
CENTER	1458	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 5 8
COGSWELL 6 W	1525	SARGENT	5	46 07	97 55	1291		7A	JOHN WASDAHL	3
COLGATE	1686	STEELE	10	47 14	97 39	1160		6P	D N JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1426	5P	5P	S J LOCKNER	2 5 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1823		6P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V WICHELS	2 3 8
DAWSON	2016	KIDDER	8	46 32	99 45	1730		MID	LOUIS J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	O S WEATHER BUREAO	2 3 4 6
DICKINSON CAA	2183	STARK	4	48 48	102 46	2587	MID	MID	CAA	2 3 4 6
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 5 8 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 3
DUNN CENTER	2365	DUNN	8	47 21	102 37	2191	6A	6A	FRANK H BOMMARS	2 3 5
DUNSMITE ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	W D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAO	12	48 39	101 03	1500	7A	7A	E 2 SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	88 42	1566	6P	6P	N D AGRI EXP STA	2 5 3
EDMORE 1 W	2525	RAMSEY	2	48 25	86 29	1524	6P	6P	NIKE DAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	6	47 55	102 09	2082	6P	6P	B W CASE	2 3 5
ELLENDALE NORMAL SCH	2665	DICKEY	5	46 00	98 31	1457	6P	6P	J S DEMMER	2 3 5
EPPING	2733	WILLIAMS	8	48 18	105 21	2224	6P	6P	T BEACHLER	2 3 5
FAIRFIELD 9 N	2808	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	883	MID	MID	O S WEATHER BUREAO	2 3 4 5
FESSENDEN	2849	WELLS	5	47 39	99 37	1810	6P	6P	JOHN V ZUBER	2 3 5
FORMAN	3117	SARGENT	10	46 06	97 38	1248	6P	6P	ART WATERMAN	2 3 5
FORT YATES	3207	SIOUX	8	46 08	100 38	1670	6P	6P	P J JACOBSON	2 3 5
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	O S WILDLIFE REF	2 3 3
FULLERTON	3287	DICKEY	5	46 10	EE 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	8	46 38	99 08	1951	6P	6P	DAVID S HAHM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	MID	MID	MAX H VORACHEK	2 3 4 5
GLEN ULLIN	3486	MORTON	4	46 49	ID1 49	2090		MID	NICK GAUER	3 4
GOLVA	3558	GOLDEN VALLEY	7	46 44	103 59	2781	7P	7P	CHESTER R PUDA	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5
GRAND FORKS CAA	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	CAA	2 3 4 5
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3678	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C KEINER	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 31	1504	7P	7P	FRED ROBLE	2 3 8
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	6P	L D NIKLSON	2 3 8
HALLIDAY	3846	DUNN	E	47 21	102 20	2073		6P	JOHN RISSE	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 3
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	HOMER A BENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1568	6P	6P	A E PRIOR	2 3 8
HARSBORO	3963	TOWNER	E	48 57	99 23	1587	7P	7P	W E DISHER	2 3 6
HARVEY WATER WORKS	4013	WELLS	11	47 45	89 53	1596		6P	H J REYNOLDS	3
HAZELTON RR STATION	4083	EMMONS	8	48 29	100 17	1878		MID	EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAMS	3	48 00	102 38	2675	6P	6P	EDGAR MARTIN	2 3 8
HILLSBORO	4303	TRAILL	10	47 24	97 04	901	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	IE15		MID	MRS H RUTH BUCHWITZ	3 4
JAMESTOWN CAA	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	CAA	2 3 4 8
JAMESTOWN STATE HOSP	4418	STUTSMAN	3	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 3
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	THEO K ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4658	STUTSMAN	8	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAO	12	48 39	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4837	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 8
LANGDOW EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	JESSE P PHILLIPS	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	6P	8P	WM HEYERMAN	2 3 6
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT M JOHNSAIS	2 3 5
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	6P	6P	BENSON CY AGR SCHOOL	2 3 3
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	8A	WO G P FIELD STA	2 3 4 5 8
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 8
MANNING	5519	DUNN	6	47 14	102 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	6P	S P GRANE	2 3 3
MAX	5638	MC LEAN	8	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	3660	TRAILL	10	47 30	97 19	975	6P	6P	H A RAGAZ	2 3 5
MC CLUSKY	5710	SHERIDAN	8	47 29	100 29	1843	11A	11A	J A HAMILTON	2 3 5
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MID	MARTYN H HERMANSON	3 4
MC HENRY 8 N	8730	EDDY	11	47 38	98 55	1509	8P	8P	C E BLASKY	2 3 3
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5784	NELSON	10	47 46	98 11	1467		6P	H H KNIEKEL	3
MEDINA 1 W	5796	STUTSMAN	8	46 53	99 19			6P	RUDOLPH GRAF	3
MEDORA STATE PARK	5808	BILLINGS	7	46 58	103 33	2271	5P	5P	PARK SUPT	2 5 5
MEDORA TRMP	5613	BILLINGS	7	46 56	105 30	2250	8P	3P	OS FOREST SERV	2 3 5
MILNOR	3935	SARGENT	10	46 16	97 28	1117	6P	6P	E W WILSON	CLOSED
MINOT CAA	5888	WARD	12	48 15	101 17	1724	MID	MID	CAA	2 3 4 5
MINOT EXP FARM	3893	WARD	12	48 10	101 18	1720	6P	8P	S C AG21 EXP ST	2 3 3
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		8A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1639	9P	9P	IVER JOHNSON	2 3 8
MONTPELIER	8105	STUTSMAN	5	46 42	96 55			8A	BOLF HANSOW	3
MOTT RR STATION	6185	HETTINGER	1	46 22	102 20	2440	8P	6P	SORTHERN PAC AGT	2 3 4 5
MUNICH 4 SW	6193	CAVALIER	2	48 58	98 53	1586	7P	7P	HAROLD FELDNER	2 3 8
NAPOLEON 2 SE	6253	LOGAN	8	46 28	99 43	1955	7P	7P	GLADYS J PETERSON	2 3 5
NEW ENGLAND	6313	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S HATCH	2 3 8
NEW ROCKFORD 8 NW	6333	EDDY	8	47 44	99 13	1650	6P	6P	RICHARD STEINBACH	9 3 8
NEW SALEM 1 S	8365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 6
OAKES WATER WORKS	6820	DICKEY	3	46 08	98 05	1318	8A	8A	C M HAGEW	2 3 4 5
OBERMEK 5 SE	8703	BOTTINEAO	12	49 39	100 20			MID	ARTHUR S VOLLMER	3 4
PARK RIVER	8637	WALSH	10	48 25	97 45	998	5P	3P	MARTIN SEVERSON	2 3 3
PARSHALL	8887	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 3
PEMBINA CAA	6947	PEMBINA	10	48 57	97 15	799	MID	MID	CAA	2 3 4 8
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 8
PETTIBONE	7047	KIDDER	8	47 07	99 31	1856	7P	7P	L B DETHLOFF	2 3 8
PORTAL	7201	BURKE	12	49 00	102 35	1854	9A	9A	O 6 CUSTOMS SER	2 3 8
POWERS LAKE	7281	BURKE	6	48 34	102 39	2208	5P	8P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
RICHARDTON ABBEY	7550	STARK	4	48 55	102 19	2487	7P	7P	ASSUMPTION ABBEY	2 5 3
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1810	5P	3P	CORPS OF ENGINEERS	2 3 4 5
ROLLA	7664	ROLETTE	9	48 52	98 37	1680	7P	7P	THEO S FAGERLUND	2 3 3
RUGBY 1 9	7704	PIERCE	12	48 23	100 00	1542	9P	9P	BOYD C HAWK	2 3 3
RYDER	7749	WARD	8	47 55	101 40	2108		9A	S C SCHELLENBAUM	3
SANISH	7834	MOUNTRAIL	8	47 58	102 32	1835	7A	7A	H J SUGGE	2 3 3
SARLES 5 E	7844	CAVALIER	9	48 55	98 56			MID	EARLE M TRELEAVEN	3 4
SEABING	7944	MC KENZIE	13	47 34	103 48			MID	GLENN 6 MC KAE	3 4
SELFRIDGE	7852	SIOUX	8	46 02	100 58	2183		7P	J B SMITE	3
SHARON	7886	STEELE	10	47 56	97 54	1516	6P	8P	HUGH LYON	2 5 5
SHERWOOD	8047	RENVILLE	12	48 00	101 38	1847		6P	O 3 CUSTOMS SERV	3
STANLEY	8278	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 3
STEELE	8388	KIDDER	6	48 51	99 55	1837	6P	8P	LEDN V LESHER	2 3 5
TAGUS	8627	MOUNTRAIL	12	48 20	101 58	2179		6P	GEORGE N PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		8P	L A SIMON	3
TOWNER	8782	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST S KIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1889	8P	6P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1836		8P	ADAM LEHO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 28	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 3
VALLEY CITY	8837	BARNES	11	46 55	98 00	1229	8P	6P	W183 I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	1884	9P	9P	ERWIN A VENTSCH	2 3 6
VELVA	8890	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 3
VERONA	9033	LA MOURE	5	46 22	98 04			1DA	LOUIS J MANDSON	3
WAHPETON POWER PLANT	8095	RICHLAND	10	46 17	96 36	962		MID	NEWTON O JONES	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCE	2 3 8
WALHALLA	9153	PEMBINA	9	48 58	97 55	868		7P	PETER PAULOS	3
WASHBURN	9183	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 8
WATFORD CITY	9253	MC KENZIE	8	47 48	103 17	2064	6P	6P	J C ZELLER	2 3 3
WESTHOPE	9383	BOTTINEAO	12	48 55	101 01	1508	6P	6P	REV R CARET	2 3 3
WILDROSE	9400	WILLIAMS	8	48 58	103 10	2258		6P	JONATHAN WINKJER	3
WILLISTON WB CITY	9428	WILLIAMS	8	48 09	103 35	1877	MID	MID	O S WEATHER BUREAO	2 3 4 5
WILLOW CITY	9446	BOTTINEAO	12	48 38	100 17	1471	8P	8P	O M SANDERSON	2 3 5
WILTON RR STATION	8453	MC LEAN	8	47 09	100 48	2159	8A	8A	SOO LINE AGENT	2 3 6
WISNER	9515	MC INTOSH	8	46 16	99 34	2010	8A	8A	B M LARSON	2 3 8

‡ DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See reference notes following Table 2.

Nat Hist

U. S. DEPARTMENT OF COMMERCE
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CLIMATOLOGICAL DATA

NORTH DAKOTA

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APRIL 1949
Volume LVIII No. 4

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CHICAGO: 1949

NORTH DAKOTA - APRIL 1949

F. J. Bavendick, Section Director - Bismarck

GENERAL SUMMARY

April was a warm, dry month over the entire state. Considerable snow remained in the north-central and northeast sections during the first week with only drifts elsewhere. Warm weather caused the snow to disappear rapidly and as a result there was considerable flooding on nearly all streams. With very little rain during the month the fields dried fast and seeding was in full swing by the 15th over the southern and western sections. The north-central section was delayed considerably by snow and wet fields and very little seeding was accomplished during the month.

April opened with the snow largely gone in the southern and western portions of the state except for some larger drifts and some snow cover in parts of Dunn and Stark counties. However, the north-central and northeastern sections still had considerable snow cover. There were huge drifts along roads and in the trees. Warm weather prevailed and this snow disappeared at a rapid rate with practically none left by the 15th. This rapid thawing caused considerable flooding along streams in this area. The Souris and Pembina Rivers carried record volumes of water at this time with extensive flooding in the Velva and Towner areas in north-central and at Neche in northeastern North Dakota. The Red River did not produce a serious flood as snow-melt in southeastern sections had been gradual enough to get a lot of the water away and to allow considerable water to soak into the ground.

Temperatures were considerably above normal. The Eastern Division was 5.2 degrees above, the Middle Division was 5.5 degrees above, and the Western Division was 5.6 degrees above normal. Precipitation was generally below normal averaging 1.51 inches below in the Eastern Division, .58 inch below normal in the Middle Division, and .97 inch below in the Western Division. Rain fell on the 9th in many sections with some heavy amounts in the central portion. Very little rain fell thereafter until the end of the month. Many south-central stations west of the Missouri River and extending as far north as McClusky received large amounts of rain at the end of the month and thus were able to report above normal precipitation for the month of April. This rain became general although most stations did not report large amounts until May 1st. There was considerable wind during the month and on several days there was a thick dust haze in the air.

Field work became general over the south and west sections between the 10th and 20th of the month. Some reports were received of field work starting during the first week. In the north-central sections field work really did not become general during the month. Some higher land with good drainage was seeded at the end of the month. The northeast section was somewhat better but it was behind schedule also. Wheat was nearly 75 percent completed in the south and west portions. Some oats and barley were being seeded. Pastures developed rapidly with the warm weather and were generally good for grazing by the end of the month. The dry and windy weather caused rapid drying of the fields and in the south and west there were some reports of damage from blowing dust. No severe dust storms occurred however. Moisture conditions remained generally adequate during the month due to late disappearance of the snow, although some areas in the southeast were getting rather dry. Some wheat was up over the state and appeared to be coming along in fine shape.

TEMPERATURE

The mean temperature for the state was 47.2°, which is 5.6° above normal for the month. The monthly mean temperatures ranged from 51.7° at Grenora to 41.9° at Hansboro and Munich. The highest temperature recorded in the state was 96° at Dunn Center, on the 30th, and the lowest 5° at Edmore on the 1st.

PRECIPITATION

The average precipitation for the state was 0.45 inch, which is 0.97 inch below normal for April. The total amounts recorded at various stations ranged from 2.41 inches at Pretty Rock to no measurable precipitation at Larimore and Tioga. The heaviest rainfall reported in any one day was 1.38 inches at Turtle Lake on the 30th. The monthly average of snowfall was a trace or 3.2 inches less than normal. The greatest monthly amount was 0.2 inch at Leeds; the least a trace at most stations. The greatest depth on the ground was 32 inches at Edmore on the 1st.

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin Series, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes—inches				Wind speed—m.p.h.				Relative humidity averages—percent				Sunshine	Degree days 65 base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T.	7:30 a E S T.	1:30 p. E S T.	7:30 p. E S T.	Percent of possible	
BISMARCK AIRPORT	30.40	10	29.42	29	12.6	57	NW	22	66	77	44	38	75	494
DEVILS LAKE	30.37	10	29.42	30	9.6	35	NW	22	-	-	-	-	72	592
FARGO AIRPORT	30.36	10	29.45	30	15.5	42	W	22	73	79	46	48	73	554
WILLISTON	30.38	10	29.22	29	8.4	42	NW	22	-	-	-	-	88	460

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	37.6	75	- 2	2.65	6.3	7	1914	40.9	84	2	1.46	2.8	6	1936	35.6	87	-15	0.39	0.5	4
1893	34.3	77	- 8	1.70	7.8	6	1915	50.3	99	5	1.03	T	5	1937	40.7	79	2	2.02	5.8	8
1894	42.8	92	12	3.03	4.4	9	1916	39.2	79	- 6	1.44	2.9	5	1938	42.8	90	1	1.09	0.1	5
1895	49.6	87	10	2.23	0.0	5	1917	37.2	73	5	1.68	5.6	7	1939	41.6	90	- 1	0.87	0.8	6
1896	40.1	92	2	3.80	5.1	9	1918	41.4	81	0	2.18	3.0	7	1940	37.8	78	- 9	2.22	4.1	8
1897	40.8	93	7	1.08	1.1	5	1919	42.3	79	6	1.52	6.2	6	1941	44.1	82	6	2.30	1.6	13
1898	41.9	87	- 4	1.38	0.5	5	1920	32.1	63	-11	0.84	2.1	5	1942	44.9	90	- 6	1.96	3.3	7
1899	38.0	86	-22	1.36	6.3	6	1921	41.1	91	1	1.77	3.8	7	1943	44.9	83	11	1.48	0.1	5
1900	49.3	93	11	0.85	T	3	1922	42.3	89	- 2	0.92	2.3	6	1944	40.8	77	-11	0.80	0.2	4
1901	44.5	92	10	0.98	0.3	4	1923	38.7	89	-15	1.45	7.2	5	1945	38.0	80	6	1.10	4.5	6
1902	40.2	87	- 2	1.06	2.9	3	1924	39.3	84	6	2.53	7.5	9	1946	48.2	87	9	0.67	2.4	4
1903	42.5	83	8	1.23	2.7	5	1925	47.8	85	10	1.60	T	6	1947	39.9	90	0	1.48	6.8	8
1904	37.4	91	2	1.38	8.1	5	1926	42.8	98	- 4	0.28	0.9	3	1948	40.3	85	-13	2.15	5.0	6
1905	40.2	83	3	0.51	3.7	3	1927	41.4	95	7	1.73	2.3	7	1949	47.2	96	5	0.45	T	2
1906	46.7	88	8	1.50	1.3	5	1928	35.9	84	- 6	0.91	5.0	5							
1907	31.9	80	- 6	0.52	4.2	4	1929	41.5	85	- 9	1.31	3.4	6	PERIOD	41.6	99	-22	1.42	3.2	6
1908	43.9	91	-19	1.52	5.9	5	1930	47.3	86	8	1.25	0.5	6							
1909	34.2	80	3	0.77	5.1	6	1931	44.1	87	3	0.43	0.7	2							
1910	48.0	96	4	1.37	2.9	4	1932	44.1	79	0	2.14	0.7	8							
1911	41.5	90	- 5	1.19	6.3	5	1933	40.0	84	2	1.33	7.3	5							
1912	44.4	88	2	2.35	1.7	7	1934	43.7	95	7	0.44	1.9	3							
1913	46.8	94	11	0.64	2.4	4	1935	38.4	83	0	1.93	3.6	8							

EVAPORATION AND WIND MOVEMENT

Table 6

Station		Day of month																													Total	Departure from normal
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DICKINSON EXP STATION	EVAP		.010	.040	.060	.120	.140	.140	.120	.080	.050	.060	.160	.060	.090	.110	.160	.220	.120	.210	.150	.210	.220	.250	.220	.200	.040	.120	.230	.250	.310		4.029B
	WIND	30	50	90	85	135	160	120	105	180	145	40	110	70	90	80	190	215	125	175	75	165	185	200	160	110	80	60	150	160	200		3740	
MANDAN EXP STATION	EVAP	.050	.050	.080	.080	.160	.110	.170	.130	.140	.040	.060	.160	.110	.070	.090	.150	.210	.180	.160	.140	.190	.200	.220	.200	.200	.070	.180	.210	.300	.340		4.450	
	WIND	59	34	75	101	162	147	146	107	149	183	55	84	123	93	128	102	258	160	107	87	159	135	196	179	91	56	65	109	281	160		3793	

Table 2

CLIMATOLOGICAL DATA

Station	Temperature						No. of days		Precipitation							No. of days	
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max. depth on ground	Date	.01 or more	25 or more
EASTERN DIVISION																	
ARVILLA 5TATE PA8K	46.8		87	28	14	17		17	.04		.04	9				1	
CARRINGTON	46.2	6.6	87	30	20	1		18	.47	- .86	.27	9				2	1
CAVALIER POWER PLANT	46.2	7.0	87	28	18	1+		15	T	-1.39	T	4+	T	S	1		
COOPERSTOWN	47.7M	7.4	83	28+	18	1		16	.17	-1.22	.17	9				1	
DEVILS LAKE WB CITY	45.4	6.6	85	29	15	1		14	.1S	-1.37	.1S	9	T	9	1	1	
EDGELEY EXP FARM	46.6	4.0	82	29	19	18+		17									
EDMORE 1 W	43.7	4.4	81	29	5	1		15	T	-1.26	T	13+	T	32	1		
ELLENDALE NORMAL SCH	47.0	4.3	84	30	16	24		16	.45	-1.41	.31	9				3	1
FARGO WB AIRPORT	46.8	6.2	85	30	20	24		18	.02	-2.16	.02	16	T	T	17+	1	
FORMAN	48.8	4.8	83	29+	20	23		16	.07	-1.94	.07	13				1	
FULLERTON	48.5M	5.8	85	30	19	18		16	.58	-1.56	.35	9				4	1
GACKLE	47.1M	5.0	81	29													
GRAFTON 5TATE 5CHOOL	46.1M	5.5	86	29	12	17		15	.05	-1.29	.05	23				1	
GRAND FORKS CAA	45.1	3.8	84	28+	12	1		14	.15	-1.51	.10	14	T	5	1	2	
GRAND FORKS UNIVER5ITY	44.9	3.6	84	30	16	1		16	.07	-1.59	.07	9	T	2	1	1	
HANKIN5ON RR 5TATION	46.2M	2.7	82	30	1S	24		17	.19	-1.82	.10	14				2	
HILLSBORO	46.5	4.3	85	30	22	18		17	.12	-1.72	.10	16	T			2	
JAMESTOWN CAA	46.6	4.9	84	29	18	15		17	.2S	-1.4S	.22	9	T	T	1+	2	
JAME5TOWN STATE HOSPITAL	48.1	6.4	83	29	20	18		14	.35	-1.35	.29	9	T			4	1
KEN5AL WILDLIFE REFUGE	44.4		80	29	15	15		17	.44		.39	9				2	1
LA MOURE	47.6M		80	28+	20	23		14	.64		.37	8				4	1
LANGDON EXP FARM	43.1	5.5	84	28	12	1		17	.02	-1.21	.02	9				1	
LARIMORE	46.1	5.9	83	28	19	18		15	.00	-1.60	.00	1+					
LISBON	45.4	3.3	83	30	17	24		22	.20	-1.73	.16	26				3	
MAYVILLE	48.2	5.7	84	28+	20	18		16	.14	-1.41	.07	9	T	5	1	4	
MC HENRY 5 N	45.9	S.3	83	29	15	1		16	.33	-1.04	.31	9	T	15	1	2	1
MC LEOD 3 E	48.4	4.8	86	29	19	24		16	.12	-1.87	.12	25				1	
MUNICH 4 SW	41.9		84	29	10	1		18	.06		.03	9+				2	
OAKES WATER WORKS	46.3	3.5	83	30	22	2+		18	.41	-1.46	.24	10				3	
PARK EIVER	47.3	6.8	85	29	19	18		17	.03	-1.29	.02	9	T	8	1	2	
PEMBINA CAA	43.1	4.6	83	29+	17	1		15	.34	- .92	.26	16	T	10	1	3	1
PETER5BURG	44.2		81	29	11	1		17	.12	-1.27	.12	9				1	
5HARON	46.6	7.0	81	29	19	1		15	.19	-1.29	.14	9		4	1	2	
VALLEY CITY	48.9	6.5	84	30	21	2+		15	.20	-1.53	.20	9				1	
WAHPETON STATE 5CHOOL	48.7M	4.5	84	30	20	24		15	.25	-1.83	.13	21				5	
DIVI5ION	46.3	S.2							.20	-1.51							
MIDDLE DIVISION																	
A5HLEY	46.2M	3.8	82	30	18	18		15	.12	-1.49	.05	26				3	
BELCOURT INDIAN RES	42.2		84	29	11	1		18	.51		.40	30		31	1	3	1
BISBEE	42.9M	2.2	85	29	9	1+		18	.11	-1.08						4	
BISMARCK WB CITY	48.6	5.5	86	30	19	18		12	.87	- .32	.86	9				2	1
BISMARCK WB AIRPORT	48.9	8.5	86	29	19	18		15	1.70	.18	.86	9				3	2
BOTTINEAU	43.1	4.1	85	29	12	2		18	.45	- .39	.45	9		10	1	1	1
CAR5ON 2 5W	48.6	6.1	86	29	19	1		14	2.34	.99	1.10	30				4	3
CENTER	48.2	5.4	87	29	18	1		17	2.25	1.02	1.25	30				3	2
DRAKE	46.8	6.4	85	30	14	1		14	.37	- .80	.27	9				2	1
DUN5EITH 5T SANITARIUM	44.4	4.9	85	29	14	1		18	.44	- .40	.21	9	T			3	
ECKMAN	42.7M	2.3	87	30	6	1			.30	- .61	.27	9		23	1	2	1
FES5ENDEN	48.5	8.1	84	29	20	1		13	.65	- .67	.36	9				3	2
FORT YATES	49.8	5.0	85	29	16	1+		12	.73	- .62	.35	30				3	2
FOXHOLM WILDLIFE REF	48.8	8.0	89	29	18	18		13	.16	-1.09	.13	9		5	1	2	
GARRISON	49.8M	7.7	89	28	19	1S		12	.47	- .69	.43	9		3	1	2	1
GRANVILLE	47.4	6.6	88	29	1S	1+		18	.40	- .54	.35	9	T	20	1	2	1
HAN5BORO	41.9M	3.3	85	29	13	2		16	.17	-1.08	.07	13	T	23	1	4	
LEED5	46.7		86	29	14	1		13	.22		.20	9	2			2	
LINTON	49.7	6.9	85	29	17	15		15	.72	- .56	.43	9				5	1
MADDOCK AGR 5CHOOL	46.2	5.6	85	29	8	1		14	.84	- .28	.56	9				3	1
MANDAN EXP 5TATION	48.4	5.8	87	30	19	1		10	1.03	- .25	.84	9				6	1
MANDAN FT LINCOLN PARK	S0.5		88	29	19	1+		13	1.42		.70	30				4	2
MAX	46.SM	5.9	87	30	16	1		17	.45	- .80	.45	9		2	1	1	1
MC CLUSKY	46.5	5.4	85	30	17	24		14	1.63	.39	.93	9				3	2
MINOT CAA	48.0	7.2	87	29	22	15		13	.52	- .70	.29	9		7	1	3	1
MINOT EXP FARM	48.3M		86	29	23	1		13	.54		.44	9		14	1	4	1
MOHALL	45.1	4.7	87	29	17	2		17	.06	- .90	.06	9				1	
NAPOLEON 2 5E	47.0	5.6	82	29	17	16		14	.44	-1.07	.19	9				6	
NEW 5ALEM 1 S	48.9	6.6	87	29	20	1		15	1.79	.64	.92	30				4	2
PETTIBONE	46.5M	5.7	94	30	19	1+	1	16	.69	- .47	.57	9				4	1
ROLLA	43.0	3.2	80	28	14	2		15	.41	- .80	.2S	30		T		5	1
5TEELE	47.0	4.3	85	29	16	18		16	.77	- .41	.56	9		T		2	1
TOWNER	4S.6	3.8	88	29	19	1		17	.72	- .28	.42	30				2	2
TURTLE LAKE	49.1	7.8	86	29	20	1+		13	2.03	.98	1.38	30				3	2
UNDERWOOD 12 W	49.1M	5.3	87	29	19	1+		13	.50	- .57	.50	9		T		1	1
UPHAM WILDLIFE REFUGE	45.2		88	29	8	1		16	.37		.37	9		28	1+	1	1
VELVA	49.4	8.0	88	29	19	1+		12	.52	- .57	.36	9		8	1	4	1
WA5HBURN	50.5	7.2	85	29	19	18		11	1.34	.27	.90	9				3	2
WESTHOPE	44.1	4.2	86	29	11	1		15	.24	- .63	.24	9		18	1	1	
WILLOW CITY	44.1	4.5	87	30	0	1		15	.73	- .23	.38	30		14	1+	2	2
WILTON RR 5TATION	45.7	3.5	84	30	18	1+		16	1.11	- .01	.96	9				3	1
WISHEK	46.2M	4.7	83	30	12	18		16	.51	- .89	.19	9				7	
DIVISION	46.8	5.5							.75	-0.58							
WESTERN DIVI5ION																	
ALMONT 7 SW	49.2		88	29	22	1		12	2.00		.94	30				4	2
AMIDON	48.2	6.8	87	29	19	2+		20	.63	- .69	.31	13				6	1

See reference notes following Station Index

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max depth on ground	Date	.01 or more	.25 or more	1.00 or more
BEACH	47.4	S.2	86	30	21	1S		16	.04	-1.14	.02	13+				2		
BELFIELD	47.0	4.9	89	29	17	1		22	.1S	-1.14	.12	30				2		
BOWBELLS RR STATION	4S.7M	6.4	88	30	20	1			.0S	-1.01	.0S	9		3	1	1		
BOWMAN COURT HOUSE	49.7M	7.2	89	29	19	1		8	.9B	- .25	.43	13				6	2	
CROSBY	44.7M	4.B			22	14+		20	.09	- .84	.08	30				2		
DICKINSON CAA	47.3	S.S	89	29	20	1		16	.SS	- .6S	.44	30	T	1	1	6	1	
DICKINSON EXP STATION	47.3	S.5	92	30	16	1	1	18	.14	-1.06	.0B	9		3	1	4		
DUNN CENTER	49.4	7.9	96	30	14	1	1	17	T	-1.26	T	9+		6	1			
ELBOWOODS	49.4	6.9	89	29	18	1		1S	.62	- .39	.41	30				2	1	
EPPING	49.1	7.4	92	29	22	17	1	16	T	- .99	T	9+						
GRENORA	S1.7M	12.4			22	14		8	T	-1.03	T	30						
HETTINGER	48.4	S.S	8S	29	1B	1		18	1.S6	.S0	.S6	30				5	3	
KENMARE	47.9M	7.7	8S	30	17	1			.04	- .B8	.04	9		6	1	1		
MARWARTH	49.2M	6.0	90	29			1		.80	- .27	.37	14	T	T	1	6	1	
MEDORA STATE PARK	49.SM	6.0	92	29	1S	1	1		.38	- .77	.25	30				2	1	
MEDORA T R N M P	48.3M		92	29	16	2	1	19	.13		.13	30				1		
MOTT RR STATION	48.7	6.4	B7	29	19	18		16	1.44	.22	.6S	9				6	3	
NEW ENGLAND	50.2	7.8	94	29	18	1	1	17	.26	- .94	.18	9				3		
PARSHALL	48.1	9.1	88	29	20	1+		18	.13	- .94	.11	9				2		
PORTAL	47.S	6.9	89	29	20	1S		14	.03	- .91	.03	9				1		
RICHARDTON ABBEY	49.0	7.6	87	29	20	1		13	.S8	- .64	.39	9				3	1	
SANISH	46.9	S.2	90	30	18	1S	1	21	.07	-1.0S	.04	9				2		
STANLEY	46.1		87	29	16	1		19	T	-1.17		21+		8	1			
VAN HOOK	49.6		90	29	20	1S	1	14	.03		.03	9				1		
WATFORD CITY	49.9	8.S	92	29	22	1+	2	11	.09	-1.08	.04	29				3		
WILLISTON WB CITY	50.2	8.2	91	29	24	14	1	11	.29	- .91	.26	30				1		
DIVISION	48.4	6.9							0.40	-0.81								
STATE	47.2	S.6							0.4S	-0.97								

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, S and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

-	No record
+	And also on later dates.
*	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
6	Precipitation measured at 6-hourly intervals, no recording gage.
B	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table S for detailed daily record.
R	Station equipped with recording gage only.
S	Storage precipitation station. Precipitation measurements, made at irregular intervals, will be published in the June issue of this publication.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
Z	Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15¢ per copy; $1.S0 a year. (Yearly subscription includes Annual Summary) Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois.

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA

APRIL 1946

Station	Day of month																											Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S										.02	.04			T								T										0.06
ALEXANDER R R STATION									.01	.01																						0.04
ALMONT 7 SW									.84				.11								.11									.02		0.94
ALPHA 1 S						.01			T			.10								T	T								.24	.10		2.00
AMIDON									.01				.31		.01						.02				.04					.24		0.45
																																0.63
ARVILLA STATE PARK									.04								T															0.04
ASHLEY									.04	.03			T	T												.05						0.12
BALFOUR R R STATION	-	-	-	-	-	-	-	-	-																							-
BEACB						T			T				.02		T						T									.69		-
BELCOURT INDIAN RES									.09				.02								T									.02		0.04
																														.40		0.51
BELFIELD													.03								T									.12		0.15
BEULAB									.37				.03								.10									.29		0.79
BISBEE									*	.09						T					T	.01								.01		0.11
BISMARCK WB CITY				T				T	.86				.01												T							0.67
BISMARCK WB AIRPORT				T				T	.86				.01			T					T	T			T					.83		1.70
BOTTINEAU									.45												T			T					T			0.45
BOWBELLS R R BTATION									.05													T										0.05
BOWMAN COURT BOUSE								.05	.07				.43												.06				.07	.30		0.98
BRBIEN									*	.52			.10												T	T						0.62
CARRINGTON									.27	.20																						0.47
CARSON 2 S W						T			.81				.33								.10									1.10		2.34
CAVALIER POWER PLANT				T	T				T				T				T				T	T	T									T
CENTER									.95												.05									1.25		2.25
COGSWELL									T							T																T
COLGATE									.18																							0.18
CDOPERSTOWN									.17							T																0.17
COURTENAY														T																		T
CROSBY									.01												T									.08		0.09
OAWSON									.67							.10					-	-								.43		-
OEVILS LAKE W B CITY									.15				T	T		T	T				T	T								T		0.15
DICEINSON CAA						.02		.02	.04			.01	.02							T		T			T				T	.44		0.55
OICKINSON EXP STATION					T	.03			.08	T			.01								.02	T				T				T		0.14
ORAKE									.27	.10																						0.37
OUNN CENTER									T	T												T								T		T
DUNSEITH ST SANITARIUM									.21				T	T							.05	T		T						.18		0.44
ECKMAN									.27	.03												T										0.30
EDGELEY EXP FARM									.19				-								.05	T			.09							-
EOMORE 1 W													T								T	T								T		T
ELBOWDOOS									.21				T																	.41		0.62
ELLENDALE NORMAL 8CB									.31				.09								.05											0.45
EPPING									T												T											T
FAIRFIELD 9 N						T														T										T		T
FARGO WB AIRPORT				T					T							.02	T				T	T			T							0.02
FBSSENDEN									.36				T	T								.02								.27		0.65
FORMAN									T				.07								T											0.07
FORT YATES						T			.30				.08								T									.35		0.73
FOXHOLM WILDLIFE REF									.13												T			T						.03		0.16
FULLERTON									.35				.12								.03				T					.08		0.56
GACKLE									.34	T			.01	T			T				.01	T		-	-					T		-
GARRISON									.43				T								T									.04		0.47
GLEN ULLIN								.10	.71				.05							.07									.93		1.66
GRAFTON STATE SCBDOL				T					T								T				T	T	.05									0.05
GRAND FORKS CAA				T					.05					.10		T	T			T	T		T									0.15
GRAND FORKS UNIVERSITY				T					.07							T	T			T	T		T									0.07
GRANO									.14																					.05		0.19
GRANVILLE									.35													T								.05		0.40
GRENORA																														T		T
HALLIOAY									.17												T									.13		0.30
HANKINSON R R STATION														.10			T				.09					T						0.19
HANNAFORD									.11									.03														0.14
HANSBORO									.03				.07	.02																.05		0.17
HARVEY WATER WORKS									.85	T			T	.06	T							T								.34		1.27
HAZELTON R R STATION									.68				.04								.02									.12		0.66
HETTINGER									.52				.44								.01				.03					.56		1.54
BILLSBORO				T					.02	T						.10						T	T		T							0.12
HURDSFIELD									.83													-								.33		-
JAMESTOWN CAA									.22	T			T	T							T	.03			T					T		0.25
JAMESTOWN STATE BOSP				T					.29				.02	T		T					.03	T			.01							0.33
KENMARB									.04																							0.04
KENSAL WILDLIFE REFUGE									.39				T																	.05		0.44
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								.22		-
LA MOURE				T				.37				.10			T					.03	T			.14								0.64
LANGDON EXP FARM									.02																							0.02
LARINORE					No	measureable			precipitation			for		entire		month																0.00
LEEOS									.20					.02							T								T		0.22
LINTON									.43				.10	.01							.10	T								.08		0.72
LISBON										.01				.03									T			.16						0.20
MADDOCK AGR SCHOOL				T					.56					.04																.24		0.80
MANDAN EXP STATION									.84	.02			.04	.02							.01	T								.10		1.03
MANDAN FT LINCOLN PARK									.65				.06								.01									.70		1.42
MARMARTH									.02	.01				.37								T				.12			.05	.23		0.80
MAX									.45													T										0.45
MAYVILLE				.01					.07							.05	T				T	.01										0.13
MC CLUSKY									.93							.04														.68		1.65
MC GREGOR RR STATION									.10												.10											0.20
MC HENRY 5 N									.31					.02								T										0.33
MC LEOO 3 E													T												.12							0.12
MC VILLE									.20							.03																0.23
MEOINA 1 W									.55							T																0.55
MEDORA STATE PARK																													.13	.25		0.38
MEDORA T R N M P						T			T				T							T										.13		0.13
MINOT CAA				T					.29			T									T	.02		T	T					.21		0.51
MINOT EXP FARM									.44				T								.03	.01								.06		0.54
MOFFIT RR STATION									.50	.15			.03	T																		0.68
MOHALL									.06												T											0.06
MONTPELIER									.19	.15			.01		T		.03				.02	T				T						0.40
MOTT RR STATION						.07	.05		.65			.27										T			.05					.35		1.44
MUNICB 4 SW									.03				T	T							T	T								.03		0.06
NAPOLBON 2 SE									.19				.05	T		.01					.05	T		.01						.13		0.44
NEW ENGLAND						.02			.18				T												T					.06		0.26
NEW ROCKFORD 6 NW									.51	T			T	.02		T						T								.02		0.53
NEW SALEM 1 S									.77				.05								.05	T								.92		1.75
OAKES WATER WORKS									.09	.24				.08																		0.41
OMEMEE 3 SE	-	-	-	-	-	-	-	-	-	-																				.48		-
PARK RIVER									.02					T		T						T								.01		0.03
PARSHALL									.11												T	T				T				.02		0.13
PEMBINA CAA				.02					T			T				.26	T		T	T	T	.06	T	T						T		0.32
PETERSBURG				T					.12					T									T									0.12
PETTIBONE									.57				.01	.07							T									.04		0.69
PORTAL									.03												T	T										0.03
PRETTY ROCK						.08			.77				.31								.15								T	1.10		2.41
RAUB									.29											.05										.24		0.58
RICHARDTON ABBEY						T			.39				T	T							.01	T								.18		0.58
RIVERDALE									.50												T											0.50
ROLLA									.07				.04	.01							.01		T	T						.28		0.41

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

Station	Day of month																											Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
RYDER									.40																							0.40
SANISH									.04																	.03						0.07
SARLES									.08				.23	.04								.13			.03							0.51
SHARON									.14					T		.05					T	T										0.19
SHERWOOD									.10							T					T	T										0.10
STANLEY																					T								T			T
STEELE				T					.56				T	T								T			T				.21			0.77
TAGUS									.10				T								.02	.03		T		T						0.15
TIOGA		No		measureable			precipitation			for		entire		month																		0.00
TOWNER									.30																				.42			0.72
TROTTERS					T	T			T											T					T			.03	.13			0.16
TURTLE LAKE									.63							T					.02	T				T			1.38			2.03
TUTTLE 8 SW									.71				.03	.02				T	T	T									.22			0.98
UNDERWOOD 12 W									.50				T	T		T					T								T			0.50
UPHAM WILDLIFE REFUGE									.37													T							T			0.37
VALLEY CITY				T					.20							T						T							T			0.20
VAN HOOK									.03																	T						0.03
VELVA									.36				T								.03	.01							.12			0.52
VERONA										.25			.10			.05										.10			1.05			1.55
WAHPETON POWER PLANT													.04								.07											0.11
WAHPETON STATE SCHOOL				.01									.05				.03				.13	T			.03							0.25
WASHBURN									.90					.04															.40			1.34
WATFORD CITY									.02																				.04	.03		0.09
WESTROPE									.24																							0.24
WILDROSE									.07												.05									.04		0.16
WILLISTON WB CITY								T	.01		T	T				T				T	T	.01			T				.01	.26		0.29
WILLOW CITY									.35				T																	.38		0.73
WILTON RR STATION									.96	.12				T							T									.03		1.11
WISHEK									.19	.13			.07	.02	T	T				.03	.02	T			.05							0.51

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA

APRIL 1949

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—4th—																									
ASHLEY //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR R R STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLVA //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OMEMEE 3 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA //							.02	.01	.02																.05
—5th—																									
MOTT RR STATION					/																		*	*	*
—6th—																									
DICKINSON CAA					*	*	.06																		.06
—7th—																									
MOTT RR STATION	*	*	*	*	.08																				.08
—8th—																									
BOWMAN COURT ROUSE //																				*	*	*	*	*	*
DICKINSON CAA																								.01	.01
GLEN ULLIN																								.10	.10
MANDAN EXP STATION																								*	*
MOTT RR STATION																						.02	.02	.03	.07
—9th—																									
BALFOUR R R STATION													-	-	-	-	-	-	-	-	-	-	-	-	-
BISMARCK WB AIRPORT	.02	.16	.17	.18	.06	.08	.08	.03	.01	.04	.01		.01				.01								.86
DAWSON		.01	.06	.06	.10	.05		.12	.10	.05	.03	.03	.02	.03	.01										.67
DEVILS LAKE W B CITY						.03	.03	.05	.04																.15
DICKINSON CAA	.02	.02		.01	.01																				.06
EDGELEY EXP FARM				.01	.03	.02	.02		.03	.02	.04	.03	.01	.01											.22
GARRISON			.04	.06	.09	.13	.10		.01	.01	.01														.45
GLEN ULLIN	.09	.11	.20	.13	.08	.06	.01	.02			.01														.71
GRAND FORKS CAA //									.01	.02	.02														.05
GRANO //				.05	.05	.02	.01		.01																.14
HANNAFORD									.01	.03	.02	.05													.11
HAZELTON R R STATION //	.01	.07	.12	.09	.01	.04	.04	.07	.06	.08	.04	.01	.01		.02	.01									.68
HURDSFIELD	*	*	*	*	*	*	*	*	*	*	*	.83													.83
JAMESTOWN CAA //					.02	.03	.04	.03	.03	.04	.01	.05	.02												.27
MANDAN EXP STATION	*	*	*	*	*	*	*	.85	.02	.01															.88
MC GREGOR RR STATION	.05	.03	.02																						.10
MINOT CAA //			*	*	*	*	*	*	*	.25															.25
MOTT RR STATION	.09	.17	.12	.04	.08																				.50
OAKES WATER WORKS						*	*	.11	.02	.02	.03	.05	.10												.33
OMEMEE 3 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB //			.05	.10	.08	.02	.02		.01	.01															.29
SARLES 3 E //								.03	.02	.01	.01	.01													.08
WILLISTON WB CITY	.01																								.01
—12th—																									
MOTT RR STATION																								.04	.04
—13th—																									
BISMARCK WB AIRPORT				.01																					.01
BOWMAN COURT HOUSE //	*	*	*	*	*	*	*	*	*	*	.70														.70
DICKINSON CAA	.02			.01																					.03
EDGELEY EXP FARM								.01	.02	.03	.02		.01	.01		.01									.11
GLEN ULLIN	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05									.05
HAZELTON R R STATION //				.01		.01	.02																		.04
MANDAN EXP STATION	*	*	*	*	*	*	*	*	*	*	*	.05													.05
MOTT RR STATION	.04	.03	.01	.01	.03	.04	.01	.01	.01	.01	.01														.21
OAKES WATER WORKS											.06	.01													.07
SARLES 3 E //																	.12		.01		.01	.08		.01	.23
WAHPETON POWER PLANT													.01	.03											.04
—14th—																									
SARLES 3 E //	.01		.01	.02																					.04
—16th—																									
DAWSON													*	*	*	*	*	*	*	*	*	*	*	.10	.10
FARGO WB AIRPORT //																			.02						.02
HANNAFORD																	.01	.02							.03
PEMBINA CAA //																	.20	.01							.21
—20th—																									
GLEN ULLIN																						.01	.06		.07
RAUB //																								.05	.05
—21st—																									
DAWSON													-	-	-	-	-	-	-	-	-	-	-	-	-
EDGELEY EXP FARM						.03	.01																		.04
HAZELTON R R STATION //	*	*	*	*	*	.02																			.02
MC GREGOR RR STATION	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.10	.10
MINOT CAA //													*	*	*	*	*	*	*	*	.02				.02
SARLES 3 E //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
WARPETON POWER PLANT				.04	.01											.01	.01								.07
—22d—																									
DAWSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-
HURDSFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAMESTOWN CAA //										*	*	*	*	*	.03										.03
KRAMER 5 SE	-	-	-	-	-	-	-	-																	-
PEMBINA CAA //															.07										.07
SARLES 3 E //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.13	.13
WILLISTON WB CITY								.01																	.01
—25th—																									
BOWMAN COURT HOUSE //										.01	.07														.08
EDGELEY EXP FARM																.07	.01								.08
MOTT RR STATION											*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SARLES 3 E //															.01					.01		.01			.03

See reference notes following Station Index.

HOURLY PRECIPITATION

Table 4–Continued

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
														–29th–											
BOWMAN COURT BOUSE	//														.06	.01		.02	.07	.01	.02				.01	.20
WILLISTON WB CITY																									.01	.01
														–30th–											
ASHLEY	//													-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR R R STATION									.07	.10	.02	.03	.02				.05	.06	.11	.05		.01	.06	.18	.13	.89
BISMARCK WB AIRPORT								.02	.01	.01	.03				.02	.09	.03	.03	.03	.06	.02	.05	.17	.06	.20	.83
BOWMAN COURT HOUSE	//														.02	.10	.04	.04	.04	.06	.15	.04				.49
DAWSON											*	*	*	*	.09	.20	.07							.01	.06	.43
DICKINSON CAA																		.02		.06	.07	.12	.08	.09	.03	.49
EDGELEY EXP FARM																							.01			.01
GARRISON																			.09	.07	.06	.04	.10	.09	.06	.51
GLEN ULLIN																.01	.11	.18	.08	.07	.08	.06	.09	.09	.16	.93
GOLVA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO	//																					.01	.01	.02	.01	.05
HAZELTON R R STATION	//													.01	.01			.01			.02	.04	.02		.01	.12
HURDSFIELD															.02	.14	.06	.04	.01			.01	.04		.01	.33
KRAMER 5 SE																			.05	.04	.01		.02	.05	.05	.22
MANDAN EXP STATION							.01	.04	.03						.06	.02	.08	.05	.11	.05	.16	.35	.18	.16	.06	1.36
MINOT CAA	//																		.01	.02	.03	.02	.03	.04	.04	.18
MOTT RR STATION		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OMEMEE 3 SE									.02	.05	.03	.01	.02	.02					.05	.05	.05			.03	.15	.48
RAUB	//								.03											.01		.03	.02	.07	.08	.24
WILLISTON WB CITY																			.07	.15	.04					.26

DAILY TEMPERATURES

Table 5

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	46	48	58	54	67	59	58	61	44	60	81	62	55	40	54	65	52	59	80	80	60	60	65	74	60	71	80	84	88	63		62.9
	MIN	22	26	28	36	28	37	32	31	42	30	34	44	38	29	24	40	28	25	34	45	42	36	35	30	39	40	42	50	52	46		35.5
AMIDON	MAX	47	50	58	56	67	65	64	61	56	63	82	77	53	52	59	63	53	63	81	78	59	60	70	68	63	70	78	82	87	78		65.4
	MIN	21	19	21	31	27	32	27	27	35	25	37	39	32	23	24	39	26	19	32	46	31	32	24	30	34	29	41	46	44	38		31.0
ARVILLA STATE PARK	MAX	48	52	55	48	41	50	48	55	53	59	77	69	55	46	49	61	50	54	77	82	74	65	48	61	66	65	81	87	86	86		61.6
	MIN	16	18	23	34	30	30	31	17	31	32	33	43	34	28	19	30	14	17	32	47	44	41	28	15	38	38	36	53	51	57		32.0
ASHLEY	MAX	41	45	43	54	55	57	55	55	55	44	47	71	67	43	37	49	66	54	52	76	73	64	60		70	64	70	78	80	82		58.9
	MIN	21	22	28	25	24	34	28	26	35	36	32	37	32	33	19	31	22	18	32	41	43	32	33	68	35	33	38	44	50	54		33.5
BEACH	MAX	47	41	50	59	55	67	54	61	57	50	63	80	56	56	49	61	61	51	65	82	66	60	57	68	66	60	70	78	83	86		62.0
	MIN	31	26	26	28	29	31	27	34	36	24	36	43	38	23	21	33	26	28	28	43	33	36	26	37	29	32	36	46	52	44		32.7
BELCOURT INDIAN RES	MAX	34	42	40	47	40	44	42	41	39	51	68	65	50	40	44	57	51	50	68	67	62	55	42	66	62	62	77	80	84	77		54.9
	MIN	11	12	21	33	23	29	28	21	33	29	31	40	29	20	12	31	21	13	34	42	40	34	25	22	39	36	30	46	49	48		29.4
BELFIELD	MAX	47	49	58	54	68	60	63	58	51	65	83	58	57	48	61	63	52	63	83	74	61	58	70	68	62	72	82	84	89	71		64.4
	MIN	17	20	22	28	24	30	20	30	36	22	32	38	37	22	30	38	24	20	31	39	31	32	22	25	27	28	32	41	46	42		29.5
BISBEE	MAX	43	46	41	58	58	58	54	43	43	56	64	62	52	39	44	56	46	51	65	70								82	85	75		56.1
	MIN	9	9	11	28	20	25	20	22	33	26	31	39	30	28	21	32	23	21	33	42	43	38	27	24	36	40	33	47	47	51		29.6
BISMARCK WB CITY	MAX	40	50	51	62	55	66	57	58	49	60	82	59	52	39	53	53	65	49	57	79	81	63	61	76	75	61	72	81	83	86		62.5
	MIN	21	25	29	36	25	25	26	28	40	34	33	44	37	26	22	42	29	19	38	48	41	36	36	30	37	37	36	50	54	54		34.6
BISMARCK WB AIRPORT	MAX	48	52	62	56	66	59	58	61	49	60	82	61	51	40	54	67	50	58	80	82	65	64	63	76	61	72	81	84	86	68		63.9
	MIN	20	24	28	29	24	32	25	28	40	37	31	45	36	25	20	42	28	19	37	48	40	36	35	30	36	32	38	49	56	48		33.9
BOTTINEAU	MAX	36	37	41	41	39	41	44	44	45	55	74	64	56	45	45	58	46	53	68	72	65	57	45	68	63	65	80	81	85	74		56.2
	MIN	13	12	21	31	19	29	22	20	33	27	35	40	30	27	19	20	20	18	34	47	43	32	28	23	35	34	40	51	52	42		29.9
BOWBELLS RR STATION	MAX	45	50	45	57	46	66	50	52	56	43	64	80	59	53	40	56	57	47	50	61	80	61	51	54	67	65	67	82	86	88		59.3
	MIN	20	27	27	32	29	33	28	30	32	29		40	30	25	22	25	23	23	28	30	38	35	28	28	38	39	40	48	53	50		32.1
BOWMAN COURT BOUSE	MAX	46	48	57	56	66		62	61		61	78			48	57	56		61	79		57	57	68	65		68	75	79	89			63.4
	MIN	19	40	23	41	28	40	39	33	36	27	40	45	38	26	27	40	28	25	39	44	41	37	41	37	37	33	41	42	54	39		36.0
CARRINGTON	MAX	37	44	52	54	48	54	51	49	51	45	52	77	69	49	55	48	60	40	53	77	79	66	62	49	71	67	67	82	86	87		59.4
	MIN	20	22	25	28	28	30	29	26	28	35	35	37	37	32	32	32	26	26	27	35	46	40	32	21	26	40	41	48	52	53		33.0
CARSON 2 SW	MAX	49	50	58	55	68	56	65	60	50	60	82	64	55	45	55	66	52	60	80	20	62	62	68	75	60	72	80	80	86	74		64.3
	MIN	19	24	25	32	25	35	25	32	38	38	32	41	34	27	20	39	28	20	34	43	37	33	28	30	36	34	40	48	53	36		32.9
CAVALIER POWER PLANT	MAX	43	46	48	48	42	50	45	49	50	59	74	70	57	47	46	58	56	50	70	78	70	62	52	61	64	63	77	87	85	84		59.7
	MIN	18	18	22	33	28	29	31	24	35	36	35	43	29	30	21	31	18	20	33	38	42	42	24	22	44	42	35	50	58	48		32.6
CENTER	MAX	47	50	58	52	66	61	55	58	51	59	81	65	55	47	55	65	59	59	79	82	63	61	60	76	63	70	80	83	87	78		64.2
	MIN	18	20	25	29	23	22	26	38	39	28	33	43	40	31	28	39	28	20	26	43	39	30	33	24	30	35	32	45	49	49		32.2
COOPERSTOWN	MAX	44	48	53	50	51	51	50	51	48	50	73	69		45	46	60	55	71	74	78	66	62	55	68	67	64	79	83	83	83		61.3
	MIN	18	26	28	34	27	32	30	24	38	35	32	42	35	31	20	30	25	19	31	46	44	52	31	21	38	39	35	50	51	56		34.0
CROSBY	MAX	46	52	49	61	51	68	55	56	47	56	67	73	60	53	39	62	52	45	67	77	75	59	55							85		58.8
	MIN	27	26	26	32	29	32	28	30	34	27	32	35	30	22	22	27	23	23	29	39	33	33	29	28	32	35	38	33	38	47		30.6
DEVILS LAKE WB CITY	MAX	40	46	51	40	45	45	43	49	46	54	77	58	49	37	46	57	38	51	75	80	63	60	41	69	64	64	80	82	85	73		56.9
	MIN	15	21	26	32	26	30	29	26	38	34	36	40	35	27	23	34	24	23	34	51	43	37	25	23	41	44	43	53	53	55		34.0
DICKINSON CAA	MAX	45	47	58	52	67	55	59	58	47	61	81	55	54	42	57	63	50	62	80	73	62	61	67	71	59	70	79	83	89	62		62.3
	MIN	20	23	25	29	27	32	28	32	34	26	35	41	31	24	24	39	26	23	33	44	35	34	29	35	31	34	38	46	50	42		32.3
DICKINSON EXP STATION	MAX	41	47	51	59	54	68	56	61	61	49	63	82	58	57	43	60	65	51	63	82	73	61	60	68	70	63	71	81	84	92		63.1
	MIN	16	21	24	28	26	32	25	32	38	24	30	46	39	22	21	37	26	21	30	38	34	34	26	35	26	32	35	46	56	47		31.4
DRAKE	MAX	33	43	48	51	43	56	51	47	54	53	59	79	69	54	36	51	56	61	56	77	80	63	61	48	70	65	68	81	83	85		59.4
	MIN	14	24	24	33	27	31	28	27	33	30	37	41	37	32	23	33	26	24	31	42	46	38	33	26	40	42	42	51	56	52		34.1
DUNN CENTER	MAX	47	47	52	62	57	74	62	64	66	53	67	85	66	63	43	62	73	56	66	86	87	73	76	72	73	69	75	86	89	96		68.2
	MIN	14	16	20	32	24	32	26	28	33	24	33	40	39	25	18	35	26	17	30	45	32	33	35	35	26	30	33	42	46	49		30.6
DUNSEITB ST SANITARIUM	MAX	36	37	41	46	41	45	45	45	42	55	71	70	56	44	45	57	57	51	67	70	69	56	49	66	65	63	80	82	85	83		57.3
	MIN	14	16	24	30	26	32	28	25	33	30	32	40	32	26	16	31	20	17	33	44	42	35	27	21	41	39	40	49	51	49		31.4
ECKMAN	MAX	37	37	36	40	37	38	40	43	39	42	54	75	59	52	37	51	59	45	58	74	74	62	58	46	69	67	67	82	85	87		55.0
	MIN	6	8	12		19	25	25	17	23	26	32	39	31	31	23	30	25	24	32	43	44	38	29	26	35	41	45	46	50	53		30.3
EDGELEY EXP FARM	MAX	47	46	57	58	52	54	58	57	51	50	75	68	51	44	48	68	52	54	75	70	68	65	58	68	64	72	79	79	82	81		61.7
	MIN	23	24	25	32	26	29	30	21	38	37	31	43	36	31	20	27	30	19	30	32	43	38	40	19	38	35	34	35	39	40		31.5
EDMORE 1 W	MAX	38	43	40	38	40	40	42	40	46	52	68	61	55	43	44	55	52	48	70	77	73	58	45	66	63	61	76	80	81	80		55.8
	MIN	5	18	23	30	21	25	26	24	34	33	33	39	32	30	22	33	22	22	33	40	43	39	27	24	37	41	37	49	52	50		31.5
ELBOWOODS	MAX	45	48	58	56	68	65	60	62	50	64	83	71	67	52	57	65	56	62	80	81	62	62	63	71	68	73	84	86	89	84		68.4
	MIN	18	21	27	35	42	32	28	31	29	26	38	37	38	31	19	33	26	21	36	46	34	37	32	33	30	39	31	49	54	50		33.4
ELLENDALE NORMAL SCB	MAX	47	50	55	57	55	57	56	59	49	55	72	70	57	46	48	64	47	68	75	71	59	47	64	67	69	72	78	82	83	84		62.1
	MIN	24	22	23	28	29	32	29	23	38	33	30	37	37	30	21	23	30	20	29	37	44	35	37	16	40	34	36	42	46	48		31.8
EPPING	MAX	48	52	62	59	69	63	59	60	55	65	83	77	55	54	61	60	52	67	85	77	61	59	63	68	67	72	83	87	92	78		66.4
	MIN	25	25	28	28	29	27	24	28	36	25	27	39	34	23	23	34	22	23	36	45	33	32	26	33	35	33	33	49	50	46		31.7
FARGO WB AIRPORT	MAX	46	51	54	57	47	56	55	54	54	61	72	60	48	45	45	59	43	52	74	77	65	65	43	62	69	69	76	84	84	85		60.4
	MIN	26	28	29	33	31	32	30	24	37	29	32	41	32	26	21	29	25	26	32	49	40	38	25	20	37	35	34	48	52	55		33.2
FESSENDEN	MAX	44	48	55	55	54	53	47	52	50	64	78	75	55	47	48	60	54	54	76	79	75	60	51	48	71	66	80	81	84	80		61.5
	MIN	20	26	30	35	29	32	30	28	39	36	35	43	38	31	24	35	26	24	34	49	46	45	33	24	30	42	42	51	55	52		35.5
FORMAN	MAX	48	52	55	57	57	56	57	57	55	63	71	68	60	47	47	65	46	74	75	67	66	61	70	71	73	73	79	82	83	83		63.9
	MIN	24	25	26	32	28	37	27	21	40	31	32	42	37	29	21	37	30	26	45	48	33	39	20	43	32	32	38	48	40	48		33.7
FORT YATES	MAX	50	52	60	59	67	60	61	60	55	52	80	65	56	45	55	69	60	58	81	80	70	64	65	74	63	73	81	83	85	75		65.3
	MIN	16	20	26	34	20	37	29	29	41	39	34	39	41	29	29	39	31	16	37	45	42	37	34	31	37	33	31	49	45	55		34.2

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FOXHOLM WILDLIFE REF	MAX	45	47	57	57	60	58	51	58	56	64	82	79	55	48	55	56	52	60	80	79	70	57	52	67	67	65	83	85	89	85		64.0
	MIN	22	19	26	34	24	34	29	23	37	26	39	40	30	29	19	39	25	18	39	37	42	39	33	27	40	41	35	53	55	51		33.5
FULLERTON	MAX	49	53	56	57	58	57	57	58	51	54	73	70	64	48	50	68		56	76	76	66	65	57	70	68	71	82	82	84	85		64.2
	MIN	24	22	24	29	28	32	29	22	38	36	29	39	39	29	21	28	31	19	25	41	43	36	39	20	41	36	36	44	48	57		32.8
GACKLE	MAX	44	47	53	53	55	53	52	54	52	49	72	72	56	47	48	62		58	75	75	70	65	57				78	79	81	78		61.0
	MIN	20	24	27	32	26	31	28	25	39	36	33	44	34	30	19	32		20	30	45	44	36	36				22	48	51	49		33.1
GARRISON	MAX	45	48	56	53	63		56	58		62	81		59		54	64		58	79	83		60	60	72	67	69	82	89	88			65.5
	MIN	22	22	28	35	25	36	30	29	39	30	34	42	39	30	19	37	26	21	36	45	39	36	34	28	34	39	38	47	51	52		34.1
GRAFTON STATE SCHOOL	MAX	38	43	47	47	44	50	48	48	49	55	73	73	62	48	43	59		57	69	77	77	63	53	60	65	64	76	85	86	84		60.1
	MIN	15	18	23	34	29	30	33	24	36	38	33	45	32	32	24	15	12	20	31	41	44	41	25	23	39	41	36	48	46	53		32.0
GRAND FORKS CAA	MAX	44	49	49	45	40	49	46	50	48	52	72	59	47	41	44	57	41	47	72	76	63	64	38	61	62	60	76	84	83	84		56.8
	MIN	12	25	29	34	30	31	31	28	35	30	33	44	34	29	26	33	21	22	34	47	43	33	27	24	37	39	36	49	49	54		33.3
GRAND FORKS UNIVERSITY	MAX	42	47	51	48	40	51	48	50	50	52	71	59	47	44	43	59	41	46	72	76	61	64	38	61	62	60	75	83	83	84		56.9
	MIN	16	20	29	32	31	32	30	27	33	31	34	34	34	29	25	23	21	22	33	47	44	37	27	25	40	40	38	50	48	55		32.9
GRANVILLE	MAX	40	43	45	41	52	49	49	52	43	62	81	69	57	51	54	61	55	59	78	83	75	61	50	72	65	68	84	84	88	81		61.7
	MIN	15	15	23	32	24	30	30	24	31	28	32	42	33	30	21	32	24	23	37	44	44	35	30	25	43	43	39	57	54	52		33.1
GRENORA	MAX	54	50	62	62	69	69	63	62	60	68	82	79	71	67	58	60	70	75	84	70	60	60	62	66	66	72	84	87		88		68.3
	MIN	27	33	32	33	33	33	23	34	35	28	42	44	31	22	24	35	41	44	40	42	35	34	28	37	37	35	39	45	42	46		35.1
HANKINSON RR STATION	MAX	44	49	52	56	58	55	57	56	60	52	64	70	66	44	48	45	61	47	51	76	75	61	64	52	61	72	74	75	81	82		60.3
	MIN	27	25	28	31	30	33	30	26	28	34	31	33	38	30	23	24	25	25	25	32	48	42	40	15		39	38	40	47	45		32.1
HANSBORO	MAX	34	38	39	41	37	43	42	42	40	55	64	58	48	40	44	57	43	50	67	68	63	58	41				78	83	85	68		52.8
	MIN	14	13	19	32	25	29	30	25	33	31	33	40	31	27	23	33	22	21	35	39	43	39	25	23			33	50	45	52		30.9
HETTINGER	MAX	47	50	60	60	69	60	63	60	58	62	80	63	54	45	57	67	55	61	80	74	60	60	70	72	68	70	77	82	85	70		64.6
	MIN	18	20	23	30	25	33	27	30	38	28	31	48	37	29	25	36	23	27	30	41	35	32	24	36	38	28	32	48	48	45		32.2
HILLSBORO	MAX	48	52	54	55	44	54	51	52	50	59	73	61	50	44	44	61	45	50	74	77	62	52	38	62	69	66	77	84	83	85		59.2
	MIN	24	26	29	33	32	31	31	31	34	31	31	48	35	29	30	27	25	22	31	35	38	35	31	31	38	40	36	46	49	54		33.8
JAMESTOWN CAA	MAX	46	49	55	56	55	55	55	54	48	49	75	64	50	38	49	65	41	54	76	78	67	62	53	68	68	70	80	82	84	81		60.9
	MIN	22	26	26	33	27	32	27	24	39	37	32	39	32	23	18	30	24	19	28	43	42	39	25	20	37	38	35	45	48	56		32.2
JAMESTOWN STATE HOSP	MAX	46	50	56	55	55	53	53	54	48	49	75	66	54	44	48	65	54	54	76	77	69	63	54	68	68	68	81	82	83	80		61.6
	MIN	24	27	29	36	28	33	29	25	39	38	32	46	38	31	21	32	27	20	30	44	45	40	39	21	39	37	36	46	49	57		34.6
KENMARE	MAX	46	48	49	59	52	67	55	60	55	54	66	77	67	60	42	53	59	50	59	80	75	61	59	58	68	65	70	83	83	85		62.2
	MIN	17	25	28	33	28	33	28	29	36	25		40	29	27	23	36	23	24	36	37	42	37	29	28	39	40	42	52	55	51		33.5
KENSAL WILDLIFE REFUGE	MAX	44	46	54	45	51	52	51	48	46	45	77	57	56	46	42	61	48	51	73	74	72	60	55	65	57	67	71	79	80	75		58.3
	MIN	16	16	21	34	25	30	25	19	37	35	30	42	33	24	15	30	24	17	26	42	45	37	32	21	33	38	32	36	42	54		30.4
LA MOURE	MAX	42	50	55	65	54	54	53	48	53	72	78	53	42	48		48	53	73	72	67	61	59	67	65	68	78	74	80	80	80		61.8
	MIN	23	24	27	34	28	29	21	38	34	30	38	35	29	21	31	30	18	22	42	43	35	38	20	41	33	36	40	47	54	57		33.3
LANGDON EXP FARM	MAX	36	40	40	39	40	42	43	45	53	65	64	55	45	43	58	50	47	67	76	69	60	47	63	63	62	75	84	83	81			55.9
	MIN	12	18	23	29	20	27	26	24	33	28	33	39	29	29	19	32	17	16	33	40	38	37	23	20	37	39	37	47	50	55		30.3
LARIMORE	MAX	42	47	51	46	41	48	45	50	51	57	73	65	52	41	45	38	58	48	73	78	66	62	44	65	65	63	77	83	83	83		58.0
	MIN	20	24	26	35	31	32	32	23	36	35	35	45	33	31	21	31	22	19	30	47	45	43	27	21	41	44	38	52	49	57		34.2
LEEDS	MAX	42	45	43	40	44	44	44	48	43	56	74	65	52	46	48	59	56	53	74	84	75	63	51	71	67	65	82	84	86	81		59.5
	MIN	14	18	25	33	26	29	25	26	37	30	37	41	36	30	22	36	26	21	36	44	44	40	34	24	40	44	41	51	54	52		33.9
LINTON	MAX	49	52	59	57	63	62	58	60	55	52	78	74	60	48	49	67	59	57	80	78	72	63	64	72	70	72	81	83	85	74		65.1
	MIN	18	22	27	33	22	39	25	30	42	40	30	44	40	30	17	37	32	18	36	42	47	32	32	28	37	31	40	48	53	57		34.3
LISBON	MAX	47	40	52	56	57	56	55	55	53	49	60	72	61	46	47	47	66	38	53	74	76	67	62	51	69	70	70	79	82	83		59.8
	MIN	24	22	27	32	30	32	29	20	25	29	30	30	39	29	22	23	29	21	23	32	45	35	39	17	35	32	31	38	52	57		31.0
MADDOCK AGR SCHOOL	MAX	40	45	49	44	47	44	43	48	45	54	76	72	54	45	47	60	54	57	76	81	73	61	52	70	68	65	81	83	85	78		59.9
	MIN	8	15	22	30	24	29	26	26	37	34	33	39	36	31	21	36	24	21	34	45	45	35	30	24	37	43	35	48	53	51		32.4
MANDAN EXP STATION	MAX	39	48	51	61	54	68	57	57	59	45	59	82	58	52	38	53	65	47	58	81	81	63	61	60	75	64	71	81	84	87		62.0
	MIN	19	23	26	36	24	38	31	28	40	36	34	48	42	33	20	35	30	20	35	41	43	37	36	28	34	37	37	47	54	52		34.8
MANDAN FT LINCOLN PARK	MAX	51	53	63	59	68	66	58	60	55	61	84	75	57	47	55	70	60	59	81	83	72	64	63	78	70	74	83	84	88	81		67.4
	MIN	19	22	25	36	24	38	30	26	40	37	30	46	41	32	19	41	28	21	36	45	40	33	36	26	36	34	31	43	53	41		33.6
MARMARTH	MAX	46	53	61	71	64	67	61	55	65	67	81	70	54	60	63	66	55	65	82	74	61	61	72	70	63	70	83	90	65			65.9
	MIN	20	19	20	27	35	37		36	40	22	25	30	43			32	38	34	22	29	40	35	35	23	37	30	35	40	47	47		32.5
MAX	MAX	37	47	44	54	47	61	52	56	56	58	62	79	60	54	36	54	60	45	57	78	82	62	63	56	70	67	70	82	85	87		60.7
	MIN	16	18	25	32	25		29	29	32	32	34	37	37	31	21	26	25	23	28	36	38	38	34	26		37	41	48	54	50		32.2
MAYVILLE	MAX	45	51	53	52	45	52	50	52	50	55	74	73	57	47	45	62	54	51	74	77	74	63	58	64	69	67	78	84	83	84		61.4
	MIN	23	25	31	36	30	32	32	24	37	30	44	46	36	29	26	30	24	20	30	51	46	42	29	22	38	43	38	52	48	54		34.9
MC CLUSKY	MAX	39	47	49	56	48	59	53	54	55	50	63	82	60	54	37	53	60	44	57	81	80	63	60	53	72	67	68	80	83	85		60.4
	MIN	18	22	26	35	25	32	28	27	40	35	35	43	40	29	21	25	19	23	32	47	45	35	35	17	38	36	41	44	41	40		32.5
MC HENRY 5 N	MAX	41	46	51	46	48	48	47	50	45	52	74	66	51	44	45	60	53	49	75	78	67	62	51	68	66	65	79	82	83	79		59.0
	MIN	15	23	26	34	26	31	28	23	37	36	31	40	35	29	19	31	25	18	30	45	42	40	29	21	41	38	37	48	49	55		32.7
MC LEOD 3 E	MAX	50	52	55	59	54	60	59	53	50	68	71	66	60	48	47	62	48	53	75	75	70	64	55	62	70	76	78	82	86	85		63.1
	MIN		32	25	34	38	31	39	30	39	26	26	30	27	27	21	25	24	25	28	48	48	32	37	19	36	34	34	47	54	58		33.6
MEDORA STATE PARK	MAX	47	49	60	70	62	65	68	64	58	68	84	78	64	56	65	66	64	67	85	80	76				64	72	78	85	92	85		69.3
	MIN	18	19	20	26	33	35	23		40	26	45	40	24	20	25	24	20	40	32	38	36				26	26		48				29.7
MEDORA T R N M P	MAX	48	53	62	60	70	68	63	60	57	65	84	79	59	54	65	64	56	67	85		63	60	70	70	66	73	82	86	92	86		67.8
	MIN	18	16	20	30	23	33	21	35	34	18	21	40	40	18	21	40	30	18	29	37	32	31	21	42	24	23	28	36	40	46		28.8
MINOT CAA	MAX	41	43	50	44	58	51	50	55	45	60	81	60	54	37	52	60	46	58	78	84	71	60	51	71	65	68	83	85	87	68		60.5
	MIN	23	24	30	30	28	33	32	30	34	30	40	41	34	27	22	39	25	25	41	40	45	40	33	28	40	42	45	55	58	48		35.4
MINOT EXP FARM	MAX	39	42	48	45	58	51	52	55	49	60	79	71	57	48	52	62	56	57	77	82	66	60	51		69	68	81	83	86	80		61.5
	MIN	23	25	30	34	29	29	30	30	39	32	39	39	34	31	24	39	25	25	38	40	43	36	33	27		40	42	53	56	52		35.1
MOHALL	MAX	35	35	44	38	40	43	45	43	45	62	78	57	51	40	53	57	45	58	72	71	63	57	50	68	65	67	83	84	87	73		57.0
	MIN	18	17	25	30	25	32	30	27	30	28	41	40	32	29	25	35	24	25	40	41	42	36	31	27	37	40	37	51	50	49		33.1
MOTT RR STATION	MAX	45	50	60	55	68	59	56	56	55	68	80	78	57	56	55	58	55	60	81	78	61	62	69	72	66	71	79	81	87	81		65.3
	MIN	24	22	26	31	25	33	34	33	34	29	33	44	28	26	22	38	29	19	30	44	36	27	32	35	30	30	33	38	53	44		32.1
MUNICH 4 SW	MAX	37	37	41	41	38	39	39	43	42	52	64	61	45	40	42	46	40	45	66	72	60	55	40	64	63	60	75	80	84	68		52.6
	MIN	10	16	21	29	32	22	26	26	34	29	33	39	32	30	23	31	22	26	22	42	42	38	25	24	36	41	36	47	49	53		31.2
NAPOLEON 2 SE	MAX	43	46	53	54	58	55	54	54	51	48	75	68	53	39	50	66	51	54	77	75	69	60	58	69	63	69	79	81	82	76		61.0
	MIN	19	21	26	32	25	32	28	25	39	36	33	44	35	28	18	17	28	18	34	44	43	40	37	24	35	36	36	49	51	54		32.9
NEW ENGLAND	MAX	51	52	63	58	71	73	65	63	64	65	82	79	62	55	60	70	62	65	82	76	68	65	71	73	75	73	80	84	94	82		69.4
	MIN	18	19	22	30	25	33	24	29	30	26	35	42	40	25	25	38	27	19	27	40	36	34	25	35	28	30	34	45	45	44		31.0
NEW SALEM 1 S	MAX	50	53	55	52	70	57	63	57	51	63	82	64	62	41	52	65	50	60	80	82	72	64	70	75	65	72	80	85	87	75		65.1
	MIN	20	23	24	27	27	42	29	28	38	34	37	36	29	29	21	24	28	24	35	47	35	33	31	29	41	35	42	46	39	48		32.7
OAKES WATER WORKS	MAX	45	49	53	55	58	56	57	56	58	46	58	71	68	45	47	49	65	40	55	75	76	66	65	56	69	66	72	80	82	83		60.7
	MIN	25	22	22	30	28	31	26	24	27	31	30	35	40	29	22	25	31	21	24	34	46	37	37	20	38	33	35	44	51	56		31.8
PARK RIVER	MAX	42	47	51	46	42	49	47	48	50	48	74	73	58	46	44	60	59	48	72	80	78	65	54	65	65	64	78	84	85	83		60.2
	MIN	20	23	30	37	31	30	32	26	35	25	35	44	31	32	22	30	20	19	30	43	45	42	26	22	43	46	43	55	56	57		34.3
PARSHALL	MAX	44	45	59	50	64	60	55	59	51	62	82	75	56	47	54	61	54	60	80	78	68	59	60	69	67	68	82	83	88	67		63.6
	MIN	20	20	27	31	23	33	26	31	40	24	30	43	35	30	25	32	25	22	35	40	36	34	29	31	30	32	41	50	51	50		32.5
PEMBINA CAA	MAX	39	39	41	43	35	46	39	47	46	54	71	58	45	37	45	54	31	47	65	74	58	58	33	56	62	57	74	82	83	83		53.4
	MIN	17	19	24	32	30	31	31	28	34	37	36	43	30	28	25	33	18	21	34	40	44	33	25	25	41	42	34	45	50	55		32.8
PETERSBURG	MAX	41	46	48	40	40	44	42	47	46	51	71	61	50	37	45	57	47	48	70	77	65	59	45	61	63	61	75	80	81	79		55.9
	MIN	11	23	26	25	25	30	29	25	35	36	34	42	31	29	22	32	18	19	30	48	43	39	27	22	39	39	38	50	52	56		32.5
PETTIBONE	MAX	45	48	55	55	57	54	51	52	43	52	79	67	52	42	49	63	42	55	78	79	66	63	51	70		68	80	82	83	94		61.2
	MIN	19	24	25	33	24	34	26	22	40	35	30	43	36	29	19	29	25	20	32	45	45	35	32	21	22	34	39	46	39	52		31.8
PORTAL	MAX	44	49	47	55	47	66	51	54	58	55	65	81	60	55	39	57	57	50	63	82	73	59	57	55	68	66	70	85	89	88		61.5
	MIN	25	27	30	33	29	32	28	33	38	30	43	37	30	24	20	37	23	27	42	40	38	35	28	30	35	36	43	43	52			33.4
RICHARDTON ABBEY	MAX	47	50	59	53	67	60	60	59	53	63	81	69	54	46	56	64	52	60	80	75	60	60	65	72	61	71	80	83	87	77		64.1
	MIN	20	24	26	36	28	35	32	30	35	28	35	43	39	26	22	38	27	22	31	45	36	35	30	33	41	35	39	48	53	43		33.8
RIVERDALE	MAX	45		56		66	66	56	57	55	52	50	81							63	79	82	63									
	MIN	19		24		27	36	30	29	38	31	36	43							22	40	42	38									
ROLLA	MAX	34	38	39	46	37	44	42	40	38	54	65	60	46	38	43	57	42	48	66	66	60	55	42	65	63	63	78	80	83	73		53.5
	MIN	17	14	23	35	28	31	29	25	34	32	34	40	32	28	23	33	23	21	38	40	42	35	25	24	40	38	39	51	48	52		32.5
SANISH	MAX	45	51	51	61	52	68	51	62	59	65	84	61	59	53	52	56	62	50	62	83	76	62	60	62	70	62	70	83	87	90		63.6
	MIN	19	22	22	27	22	28	27	28	32	24	32	43	32	30	18	22	27	20	25	35	36	34	29	28	30	36	36	45	48	48		30.2

See reference notes following Station Index.

DAILY TEMPERATURES

ble 5-Continued

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
HARON	MAX	42	46	50	48	47	49	48	49	49	54	72	69	50	40	46	62	48	50	72	75	73	62	50	65	67	65	72	80	81	80		58.7
	MIN	19	26	29	32	28	31	30	26	39	34	34	44	34	30	23	32	24	20	33	47	43	39	30	21	40	41	46	50	53	55		34.4
TANLEY	MAX	48	45	58	48	65	53	54	56	52	68	80	77	56	40	55	59	47	60	81	76	60	57	56	68	65	67	82	84	87	68		62.4
	MIN	16	19	24	28	24	28	25	27	30	35	34	36	31	25	18	32	21	20	32	35	34	32	28	27	36	33	34	41	42	43		29.7
TEELE	MAX	45	50	57	54	60	57	55	56	49	53	77	63	52	37	51	65	44	56	78	78	70	62	63	56	71	70	81	83	85	70		61.6
	MIN	17	21	23	31	20	31	26	22	39	32	28	45	35	28	19	29	27	16	34	43	45	34	42	33	24	35	38	50	51	53		32.4
OWNER	MAX	37	39	44	43	41	43	42	44	42	51	77	66	51	55	52	51	49	53	77	82	62	51	63	67	70	67	81	85	88	76		58.3
	MIN	19	26	26	29	33	29	26	28	34	28	38	42	30	33	24	25	24	28	36	46	32	37	32	27	25	42	42	49	46	51		32.9
URTLE LAKE	MAX	45	47	55	49	64	60	53	57	54	60	80	78	56	50	62	62	55	56	77	81	70	61	57	73	68	69	80	83	86	79		64.2
	MIN	20	21	26	33	26	23	27	28	40	29	35	41	39	31	20	38	26	22	35	47	43	37	34	25	35	38	43	50	54	50		33.9
NDERWOOD 12 W	MAX	47	49	49	51	65	59	50	55	55	65	80	67	56	45	56	68	55	60	80	83	64	68	61	72	68	78	82	84	87	67		64.2
	MIN	19	19	26	34	25	37	28	31	37	40	40	40	39	27	19	33	22	19		43	44	43	44	29	29	31	36	50	54	45		33.9
PHAM WILDLIFE REFUGE	MAX	42	47	42	40	43	45	46	45	40	55	76	75	61	48	51	61	48	57	70	73	66	61	54	72	68	70	84	85	88	86		60.0
	MIN	8	9	20	29	17	27	23	19	33	24	35	36	31	30	22	33	24	21	35	45	44	37	29	25	36	39	36	49	50	44		30.3
ALLEY CITY	MAX	45	50	55	56	54	55	53	53	52	52	75	74	62	50	48	63	61	53	75	78	76	66	63	69	68	74	80	83	83	84		63.7
	MIN	23	21	22	32	29	33	31	25	38	36	32	46	37	31	21	28	28	21	32	45	44	40	35	21	37	39	36	50	50	58		34.0
AN HOOK	MAX	48	47	61	60	68	60	58	60	54	64	83	74	56	51	57	63	56	63	82	77	65	60	61	69	66	70	84	86	90	82		65.8
	MIN	22	23	28	32	26	33	28	31	39	25	35	44	36	29	20	36	25	22	35	38	36	35	30	32	34	36	38	50	51	51		33.3
ELVA	MAX	44	45	53	50	58	53	51	56	51	61	82	75	56	49	53	62	52	58	78	83	71	61	50	72	67	69	82	84	88	80		63.1
	MIN	19	19	29	36	28	33	30	27	40	29	41	43	36	32	20	40	27	22	39	47	47	38	35	28	38	41	40	56	57	53		35.7
AHPETON STATE SCHOOL	MAX	48	51	55	52	53	58	55	54	60	63	70	70	61	51		60	60	50	71	76	73	65	60	60	72	73	75	82	82	84		63.6
	MIN	25	26	28	32	30	34	30	24	36	30	33	38	38	28		27	26	25	29	45	49	38	34	20	37	33	38	47	49	51		33.8
ASHBURN	MAX	48	50	59	55	66	57	56	58	54	61	82	78	56	47	53	65	56	57	79	82	70	61	59	74	68	70	82	84	85	79		65.0
	MIN	22	25	28	35	26	38	30	32	40	31	36	45	41	33	22	40	28	19	36	48	44	37	38	29	36	40	44	52	55	51		36.0
ATFORD CITY	MAX	52	51	62	54	69	58	62	60	53	67	84	68	57	48	62	61	52	66	84	77	62	59	68	70	64	72	84	90	92	74		66.1
	MIN	22	23	25	34	28	34	27	33	38	25	35	43	38	25	22	37	26	24	38	42	33	33	30	39	35	36	38	48	52	48		33.7
ESTHOPE	MAX	37	37	40	40	39	41	44	40	40	50	74	62	54	40	50	60	45	57	70	75	64	57	47	68	65	68	82	84	86	73		56.3
	MIN	11	14	17	27	20	29	22	22	34	27	33	38	33	30	26	34	24	27	38	42	44	34	31	27	38	40	41	49	53	53		31.9
ILLISTON WB CITY	MAX	52	51	62	55	70	56	60	61	55	66	83	60	53	44	64	58	50	68	82	68	60	58	62	68	66	70	83	86	91	66		64.3
	MIN	29	27	32	35	53	36	28	38	34	26	39	42	32	24	28	38	27	32	42	37	38	40	30	40	36	39	41	55	52	49		36.0
ILLOW CITY	MAX	40	36	42	42	38	43	44	39	41	54	71	62	56	44	49	61	44	55	75	73	64	59	46	70	65	67	83	85	87	75		57.0
	MIN	0	9	18	27	17	27	23	15	34	28	33	39	34	31	22	33	23	23	35	46	46	39	31	25	47	40	36	47	54	51		31.1
ILTON RR STATION	MAX	35	44	46	56	49	62	54	52	55	52	57	78	56	46	35	50	61	44	54	76	78	70	62	57	72	62	68	79	81	84		59.2
	MIN	18	22	25	32	26	33	29	27	31	33	31	36	38	31	18	27	26	20	29	37	41	37	34	25	40	40	39	42	51	49		32.2
ISHEK	MAX	42	48	49	56	55	57	56	56	53	45	47	76	66	46	40	52		65	56	78	74	67	66	59	69	65	69	78	80	83		60.4
	MIN	19	22	24	34	25	33	26	24	33	37	32	39	33	27	18	31		12	33	43	43	35	36	29	32	28	32	44	48	54		31.9

See reference notes following Station Index.

GPO [illegible] 8-9-49 1,100

NORTH DAKOTA

APRIL 1949

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	1D3 38	1200		8A	ARTHUR J BAUMAN	3
ALMONT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 5
ALPHA I S	0149	GOLDEN VALLEY	7	46 37	1D3 4B			7P	B A SURY	3
AMIOON	0209	SLOPE	I	46 29	103 19	2908	5P	5P	STANLEY W BALE	2 3 5
ARVILLA STATE PARK	0389	GRAND FORKS	1D	47 56	97 3D	96D	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	99 22	2D25	8A	8A	SOD LINE AGENT	2 3 4 5
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR RR STATION	0492	MC HENRY	12	47 57	100 32			MID	C G THOMSON	3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F HODGIN	2 3 5
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	99 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	4	46 52	103 II	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAR	0766	MERCER	6	47 16	101 47	178D		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1601	6P	6P	ROBERT L PETERSON	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	167D	10A	10A	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	165D	MID	MID	D S WEATHER BUREAU	2 3 4 5
BOTTINEAU	0941	BOTTINEAU	12	48 5D	10D 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	10D 22	216D	6P	6P	PARK SUPT	2 3 5
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O B HOOE	2 3 4 5
BREIEN	1052	MORTON	1	46 23	10D 57	1719		8A	MELVIN NELSON	2 3
BUTTE	1225	MC LEAN	12	47 50	100 40	1740	6P	6P	M O ANDERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5
CASSELTON	1400	CASS	10	46 54	97 13	934	5P	5P	WALLACE G SWEENEY	2 3 5
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 D7	101 18	21D0	7P	7P	FRED L HEINZ	2 3 5
CDGSWELL 6 W	1525	SARGENT	5	46 07	97 55	1291		7A	JOHN WASDAHL	3
COLGATE	1686	STEELE	10	47 14	97 39	1180		6P	D M JENSEN	3
CDOPERSTOWN	1766	GRIGGS	11	47 26	98 D7	1428	5P	5P	R J LOCKNER	2 3 5
CDURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		8P	G B HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICHOLS	2 3 5
DAWSON	2018	KIDDER	8	46 52	99 45	1730		MID	LOUIS J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 D7	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5
DICKINSON CAA	2183	STARK	4	46 48	102 48	2587	MID	MID	CAA	2 3 4 5
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULDS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMMARS	2 3 5
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	10D 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	150D	7A	7A	S R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 5
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELDWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	H W CASE	2 3 5
ELLENDALE NORMAL SCH	2605	DICKEY	5	46 00	98 31	1457	8P	8P	J E DEMMER	2 3 5
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T SBACHLER	2 3 5
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 I2	265D		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAD	2 3 4 5
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5
FORT YATES	3207	SIOUX	8	46 05	100 38	167D	6P	6P	P J JACOBSON	2 3 5
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	1D1 33	1609	5P	5P	D S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F D ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P	DAVID R RAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	MID	MID	MAE B VORACHEK	2 3 4 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	NICK GAUER	3 4
GOLVA	3556	GOLDEN VALLEY	7	46 44	1D3 59	2781	7P	6A	CHESTER K PUDA	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5
GRAND FORKS CAA	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	CAA	2 3 4 5
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 D5	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRAND	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	1D3 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 2D	2D73		6P	JOHN KISSE	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1D68	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 I8	98 I2	1428		MID	HOMER A BENSON	3 4
HANNAN	3936	CAVALIER	9	48 59	98 41	1568	6P	6P	A E PRIOR	2 3 5
HANSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W E DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	I1	47 45	99 53	1596		6P	R J REYNOLDS	3
HAZELTON RR STATION	4083	EMMONS	8	46 29	10D I7	1978		MID	EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAMS	3	46 DD	1D2 38	2675	6P	6P	EDGAR MARTIN	2 3 5
BILLSBORD	4203	TRAILL	10	47 24	97 D4	901	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS B RUTH BUCHWITZ	3 4
JAMESTOWN CAA	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	CAA	2 3 4 5
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 4D	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 4D	1D2 D5	1799	MID	MID	THEO H ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 I5	98 52	144D	7P	7P	D S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAU	12	48 39	100 37			MID	PAUL A KRETSCHMAR	×3 4
LA MOURE	4937	LA MOURE	5	46 2I	98 I8	I382	7P	7P	ANDREW REMICK	2 3 5
LANGOON EXP FARM	4958	CAVALIER	9	48 45	98 21	I615	5P	5P	V STURLADSON	2 3 5
LARIMORE	5013	GRAND FORKS	1D	47 54	97 38	1134	7P	7P	JESSE P PHILLIPS	2 3 5
LEEDS	5D78	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 I6	1D0 14	171I	8P	8P	WM HEVERMAN	2 3 5
LISBON	5220	RANSOM	I1	46 26	97 41	1D91	7A	7A	ROBERT M JODSAAS	2 3 5
MADDOCK AGR SCHOOL	5434	BENSON	I1	47 58	99 30	1604	6P	6P	BENSON CY AGR SCHOOL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	1DD 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN PT LINCOLN PARK	5484	MORTON	8	46 47	100 52	17DD	6P	8P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 I4	1D2 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 I8	1D3 55	2714	6P	6P	S P GHANE	2 3 5
MAX	5638	MC LEAN	8	47 49	1D1 I7	2D93	7A	7A	SOO LINE AGENT	2 3 5

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
MAYVILLE	5880	TRAILL	10	47 30	97 19	975	6P	6P	B A RAGA2	2 3 5
MC CLUSKY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A HAMILTON	2 3 5
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 58			MID	HARTVIN H HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	98 35	1509	8P	8P	C E BLASKY	2 3 5
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	H H KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	46 53	99 19			6P	RUDOLPH GRAF	3
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	2 3 5
MEDORA TRNMP	5813	BILLINGS	7	46 58	103 30	225D	5P	5P	US FOREST SERV	2 3 5
MILNOR	5933	SARGENT	10	46 16	97 28	1117	6P	6P	E W WILSON	CLOSED
MINOT CAA	5888	WARD	12	48 15	101 17	1724	MID	MID	CAA	2 3 4 5
MINOT EXP FARM	5983	WARD	12	48 10	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6D15	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1638	9P	8P	IVER JOHNSON	2 3 5
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	RDLF HANSON	3
MOTT RR STATION	6155	HETTINGER	1	46 22	102 20	2440	6P	6P	NORTHERN PAC AUT	2 3 4 5
MUNICH 4 SW	6185	CAVALIER	2	48 38	98 53	1598	7P	7P	HARDLD FELDNER	2 3 5
NAPOLEON 2 SE	6255	LOGAN	8	46 28	99 43	1855	7P	7P	GLADYS J PETERSON	2 3 5
NEW ENGLAND	6315	HETTINGER	1	46 33	1D2 52	2621	HA	HA	ADNA B HATCH	2 3 5
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550	8P	6P	RICHARD STRINBACH	2 3 5
NEW SALEM I 8	6365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 5
OAKES WATER WORKS	6620	DICKEY	5	46 08	98 05	1318	8A	8A	C M HAGEN	2 3 4 5
OMEMEE 3 SS	6703	BOTTINEAU	12	48 39	10D 20			MID	ARTHUR B VOLLMER	3 4
PARK RIVER	6857	WALSH	10	48 23	97 I4	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 5
PEMBINA CAA	6947	PEMBINA	10	48 57	97 15	782	MID	MID	CAA	2 3 4 5
PETERSBURG	7027	NELSON	ID	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5
PETTIBONE	7047	KIDDER	8	47 07	99 31	1856	7P	7P	L B DETHLOFF	2 3 5
POBTAL	72D1	BURKE	I2	49 0D	102 33	1954	9A	9A	U S CDSTOWS SER	2 3 5
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	S B J LEWIS	2 3 5
PRETTY NOCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	7P	7P	ASSUMPTION ABBEY	2 3 5
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO H FAGERLUND	2 3 5
RDGBY 1 N	7704	PIERCE	12	48 23	100 00	1542	9P	9P	BOYD C HAWE	2 3 5
RYDER	7749	WARD	8	47 55	101 40	2108		8A	S C SCHELLENBAUM	3
SANISB	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	H J BUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	99 00	15R5		MID	CLARENCE J OLSDN	3 4
SEARING	7944	MC KENZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE	7952	SIOUX	8	46 D2	100 56	2183		7P	J S SMITH	3
SHARON	7986	STEELE	10	47 36	97 54	1516	8P	8P	HUGH LYON	2 3 5
SHERWOOD	8047	RENVILLE	12	48 00	101 38	1647		6P	D S CUSTOMS SERV	3
STANLEY	8276	MOUNTRAIL	8	48 I9	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST S RIEDER	2 3 5
THOTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1898	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	885D	KIDDER	8	47 02	100 04	1936		8P	ADAM LEND	3
UNDERWOOD I2 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5
VALLEY CITY	8937	BARNES	II	46 55	98 00	1239	6P	6P	MISS I C ROBERTSON	2 3 5
VAN HOOK	897D	MOUNTRAIL	8	47 57	102 2I	1864	9P	8P	ERWIN A VENTSCR	2 3 5
VELVA	8990	MC HENRY	12	48 D3	100 55	1511	6P	8P	OSCAR ANDERSON	2 3 5
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 I7	96 36	962		MID	NEWTON O JONES	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 I6	96 36	962	5P	5P	ST SCB DF SCIENCE	2 3 5
WALHALLA	9155	PEMBINA	9	48 56	97 55	966		7P	PETER PAULUS	3
WASHBURN	9195	MC LEAN	8	47 I7	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 I7	2084	8P	8P	J C ZELLER	2 3 5
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	940D	WILLIAMS	8	48 38	103 10	2258		6P	US NATHAN WINEJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 D9	1D3 35	1877	MID	MID	D S WEATHER BUREAU	2 3 4 5
WILLOW CITY	9445	BOTTINEAD	12	48 36	10D I7	1471	8P	8P	D M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISHEK	9515	MC INTOSH	8	46 I6	99 34	2010	8A	8A	B M LARSON	2 3 5

‡ DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See reference notes following Station Index.

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Nat. Hist.

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

SEP 29 1949

CLIMATOLOGICAL DATA

NORTH DAKOTA

MAY 1949

Volume LVIII No. 5

SEP 2
UNIV
NAT.
HIST.

CHICAGO: 1949

NORTH DAKOTA - MAY 1949

F. J. Bavendick, Section Director, Bismarck

GENERAL SUMMARY

May was a warm month with ample moisture in the middle and eastern divisions. The western division, however, was deficient in rainfall. Crops generally developed well but many areas in the west and some areas in the south suffered from lack of adequate rainfall.

May opened with heavy rains over most of the state except the extreme west. These rains broke the dry spell that had existed during April in the south and west. Light showers occurred frequently throughout the month. Amounts of over an inch were recorded at many stations on about the 17th and again at the close of the month. There were many stations that did not get these heavy rains especially in the southwest and south. The eastern division averaged .57 inch above normal; the middle division averaged .38 inch above normal; and the western division was .77 inch below normal.

Temperatures were above normal at all stations in the state averaging 2.3 degrees above in the eastern division, 2.7 degrees above in the middle division, and 3.1 degrees above in the western division.Heavy frost occurred on the 24th with minimum temperatures at nearly all stations in the 20's.

Small grains made good progress after the early heavy rains. Seeding of flax and corn was nearly completed and potatoes and sugar beets were over half completed. Although the crop prospects appeared to be very favorable during this month there were many areas, particularly in the southwest in which crops were considerably retarded due to deficient rainfall. Hence the 1949 crop outlook was definitely less promising than at the beginning of the month. Wild oats became a serious problem in many areas during the month especially in the early seeded wheat.There were many fields reseeded to other crops. Some grasshoppers were reported in the northwest but they did not appear to be a very serious menace. There was no serious damage from frost on the 24th to field crops except some corn appeared to be damaged in scattered places. Many gardens were damaged and wild fruits and berries were damaged rather severely in many areas.

On the 28th a severe hail storm occurred in the evening in a strip about 5 miles wide by 8 miles long approximately 5 miles south of Raleigh in Grant County. Hail was reported to have covered the ground to several inches in places.Some crops were a total loss. High winds were reported at Ashley and West Fargo on the evening of the 31st causing considerable damage to several buildings. The storm at West Fargo may have been a small tornado since one building was demolished while nearby buildings were virtually left undamaged. No lives were lost in these storms.

TEMPERATURE

The mean temperature for the state was 56.6°, which is 2.1° above normal for the month. The monthly mean temperatures ranged from 60.0° at Linton to 52.3° at Belcourt. The highest temperature recorded in the state was 93° at Watford City, on the 12th, and the lowest 19° at Belcourt on the 24th.

PRECIPITATION

The average precipitation for the state was 2.34 inches, which is .06 inch above normal for May. The total amounts recorded at various stations ranged from 6.38 inches at Mayville to .45 inch at Dickinson. The heaviest rainfall reported in any one day was 2.67 inches at Kensal on the 31st. The monthly average of snowfall was a trace or .5 inch less than normal.The greatest monthly amount was a trace at several stations.

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin Series, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes—inches				Wind speed—m. p. h.				Relative humidity averages—percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 p. E.S.T.	Percent of possible	
BISMARCK AIRPORT	30.51	6	29.46	1	11.9	38	NW	1	72	80	50	47	62	237
DEVILS LAKE	30.48	6	29.36	1	8.9	29	NE	31					60	325
FARGO AIRPORT	30.39	6	29.23	1	14.0	39	S	31	70	77	48	51	61	267
WILLISTON	30.51	6	29.45	17	7.9	32	NW	1					79	244

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	46.6	96	13	2.20	3.9	12
1893	52.2	97	19	1.61	0.2	6
1894	54.6	98	23	1.51	0.0	5
1895	54.4	101	15	2.48	0.0	8
1896	56.9	103	22	4.95	0.0	13
1897	55.4	97	16	0.67	T	4
1898	52.7	92	14	1.95	0.0	5
1899	50.6	91	16	3.49	0.4	8
1900	59.2	106	15	0.69	0.0	3
1901	60.0	99	19	0.31	T	2
1902	55.9	94	24	3.57	0.4	10
1903	54.3	96	11	3.12	T	4
1904	54.2	93	20	1.60	T	6
1905	50.1	88	10	2.91	4.0	8
1906	50.8	99	11	4.91	0.4	12
1907	44.0	84	6	1.31	3.1	6
1908	50.8	88	9	2.90	0.9	8
1909	51.0	98	5	4.46	0.1	10
1910	50.7	94	10	1.03	0.1	6
1911	55.0	99	6	2.90	T	8
1912	54.2	90	16	4.39	0.7	11
1913	51.2	100	11	1.71	0.2	9
1914	55.2	95	16	2.12	1.0	8
1915	51.1	98	15	3.13	0.4	9
1916	51.0	95	7	2.10	0.3	8
1917	51.2	98	15	0.34	0.1	2
1918	51.7	99	6	2.27	0.5	9
1919	55.5	101	16	3.11	0.4	9
1920	53.9	89	20	1.76	0.1	7
1921	53.8	90	21	2.44	T	9
1922	56.3	93	24	3.39	0.1	12
1923	54.1	100	13	1.77	0.2	6
1924	46.9	84	15	0.81	0.0	5
1925	53.6	111	10	1.44	T	4
1926	58.5	105	10	2.20	0.0	7
1927	48.0	87	13	5.68	3.2	14
1928	58.2	107	16	1.08	0.0	5
1929	49.1	92	8	2.99	0.4	7
1930	50.8	98	18	2.62	0.7	9
1931	53.1	100	10	1.41	0.3	6
1932	55.9	98	25	2.15	2.2	6
1933	54.8	98	19	3.15	T	9
1934	63.6	111	18	0.36	0.0	3
1935	49.5	89	20	2.61	1.5	12
1936	61.0	100	20	0.80	T	4
1937	56.9	99	19	1.76	T	7
1938	52.0	88	18	2.55	0.2	11
1939	60.1	104	18	1.55	0	8
1940	54.9	96	17	1.97	0.1	8
1941	58.3	98	21	2.94	T	12
1942	50.0	87	19	3.03	0.5	11
1943	49.9	96	15	2.21	1.0	9
1944	58.2	95	11	2.73	0.1	11
1945	47.7	84	10	1.54	0.5	8
1946	50.6	88	10	1.60	0.6	9
1947	49.9	87	13	1.11	T	7
1948	55.1	101	22	1.38	0.1	6
1949	56.6	93	19	2.34	T	9
PERIOD	53.5	111	5	2.26	0.5	8

See reference notes following Station Index.

Table 2

CLIMATOLOGICAL DATA

Station	Temperature						No. of days		Precipitation				Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
ARVILLA STATE PARK	56.5		86	12	22	24	0	6	4.84		2.45	31				10	5	1
BALDHILL DAM	54.4M		84	13+	26	24+			3.03		1.02	1	.T			8	3	1
CARRINGTON	55.2	2.1	87	13	30	23	0	4	1.83	- .66	.55	1				12	3	0
CAVALIER POWER PLANT	57.0	3.4	85	16	25	24	0	6	3.14	.88	1.52	30	.T			9	4	1
COOPERSTOWN	56.2	2.4	84	12+	25	24	0	3	4.38	1.85	1.10	29+				8	6	2
DEVILS LAKE W B CITY	55.0	2.4	87	12	29	24	0	2	2.76	.73	.78	1	.T	T	19	13	3	0
EDGELEY EXP FARM	56.8	2.4	85	29	27	24	0	3	3.20	.64	1.15	31				12	2	2
EDMORE 1 W	54.3	1.1	84	12	25	24	0	6	1.56	- .30	.45	1+	.T			8	3	0
ELLENDALE NORMAL SCS	57.1	1.8	87	12+	28	24	0	1	2.03	- .58	1.19	1				10	2	1
FARGO WB AIRPORT	57.6	2.5	88	31	28	24	0	1	3.54	.65	.99	1	.T	T	22	10	6	0
FORMAN	59.3	3.6	89	3	28	24	0	1	3.76	.81	1.23	5				8	4	2
FULLERTON	59.1	4.3	89	29	28	24	0	1	2.45	- .54	.98	1				7	3	0
GRAFTON STATE SCHOOL	56.4M	2.3	86	31	22	24	0	6	1.62	- .40	.67	1				12	3	0
GRAND FORKS CAA	55.0	0.8	84	16	28	24	0	5	3.94	1.44	.95	31				13	5	0
GRAND FORKS UNIVERSITY	55.3M	1.1	83	16	30	24	0	1	4.61	2.11	.93	31	.T			14	6	0
HANKINSON R R STATION	58.3M	0.3	90	4	34	24	1	0	2.24	- .62	.72	6				10	3	0
HANNAS	53.9	2.3	84	12	25	24	0	8	2.85	.74	1.02	30				5	4	1
SILLSBORO	57.1	2.3	83	16+	28	24	0	1	4.25	1.30	1.50	1	.T			9	6	1
JAMESTOWN CAA	55.9	1.8	87	12	29	24	0	5	3.70	.93	2.25	31				9	2	1
JAMESTOWN STATE SOSP	57.7	3.6	88	12	29	24	0	1	2.59	- .18	.90	31				11	2	0
KENSAL WILDLIFE REFUGE	53.5		85	12	24	24	0	5	4.55		2.67	31				7	4	1
LA MOURE	56.6M		85	12	26	24	0	1	2.86		1.12	1				13	4	1
LANGDON EXP FARM	54.1	2.3	84	12	24	24	0	9	1.33	- .66	.67	18				7	2	0
LARIMORE	56.1M	2.7	83	12	28	24	0	2	2.71	- .02	1.12	31				7	5	1
MAYVILLE	57.3M	1.9	84	16	24	24	0	1	6.38	3.66	1.98	31	.T			12	7	2
MC HENRY 5 N	55.3	2.6	85	12	24	24	0	5	1.84	- .47	.45	1	.T			12	2	0
MC LEOD 3 E	59.8M	4.0	90	30	29	24	1	2	3.93	.92	1.34	1				11	3	2
MUNICS 4 SW	53.2		84	12	26	24	0	8	1.79		.54	30	.T			12	3	0
OAKES WATER WORKS	57.7M	2.1	87	13+	30	24	0	1	2.86	.15	.77	2				10	4	0
PARK RIVER	57.0	3.4	84	16+	28	24	0	4	1.89	- .05	.55	1				10	3	0
PEMBINA CAA	53.2	- 0.0	84	31	21	24	0	7	2.78	.59	.70	1	.T			12	5	0
PETERSBURG	55.2		84	31	31	9	0	5	1.77	- .67	.65	1				9	2	0
SHARON	55.2M	1.1	82	3	27	24	0	2	5.56	2.82	2.20	31	.T			12	5	1
YALLEY CITY	58.4	3.8	86	12	32	24+	0	2	2.85	.07	.98	1				9	4	0
WAHPETON STATE SCHOOL	59.8	3.5	92	3	31	24	1	1	1.74	- .96	.78	5	.T			13	2	0
DIVISION	56.3	2.3							3.06	.57								
MIDDLE DIVISION																		
ASHLEY	56.6	2.4	86	13	28	24	0	1	2.15	- .25	.53	5				10	4	
BELCOURT INDIAN RES	52.3		85	12	19	24	0	9	1.69		1.19	17				6	1	1
BISBEE	53.4M	0.7	87	12	26	24	0	5	1.83	- .32	.69	30	.T			6	3	0
BISMARCK WB CITY	58.7	3.9	88	13	33	23	0	0	1.49	- .74	1.09	1				5	1	1
BISMARCK WB AIRPORT	58.4	5.4	89	29	30	24	0	2	2.15	- .17	1.18	31				9	2	1
BOTTINEAU	54.5M	2.2	87	13	24	23+	0	8	4.03	1.98	1.73	17	.T			8	4	1
BOTTINEAU STATE PARK	53.5		86	12+	25	24	0	9	4.21		1.50	17+				7	3	2
CARSON 2 S W	58.2	3.7	90	2	29	23	1	2	2.98	.58	.90	1				8	4	0
CENTER	56.8M	2.3	89	12	29	23	0	0	2.34	.07	1.43	31				10	2	1
DRAKE	55.8	1.1	89	13	29	23	0	3	2.70	.62	1.27	18				6	2	2
DUNSEITH ST SANITARIUM	54.2	1.4	86	12+	21	24	0	7	5.48	3.61	1.68	30				8	5	3
ECKMAN	54.5	1.9	89	13	26	24	0	4	2.57	.59	1.65	18				10	2	1
FESSENDEN	55.8	2.5	86	12	30	23	0	3	1.61	- .67	.59	1				9	2	0
FORT YATES	59.5M	2.8	88	12	30	24	0	1	3.71	1.55	1.65	29				7	4	1
FOXHOLM WILDLIFE REF	56.6	2.4	91	12	28	23	1	4	3.00	.97	1.34	30				8	5	1
GARRISON	58.0M	4.4	90	12	29	23	1	1	3.01	.68	.91	30				7	5	
GRANVILLE	56.8M	3.9	90	12	29	23	1	4	2.13	.10	.83	17				8	3	0
HANSBORO	53.1M	1.6	86	12	25	24	0	8	1.11	- .99	.72	17				5	1	0
LEEDS	56.8		89	12	27	24	0	3	2.86		1.45	30				9	4	1
LINTON	60.0	4.3	90	12	28	24	1	3	1.67	- .62	.50	17				10	2	0
MADDOCK AGR SCHOOL	55.7	1.9	87	12	25	24	0	5	1.30	- .75	.54	1				10	1	0
MANDAN EXP STATION	57.1	2.0	88	13+	31	23	0	2	2.14	- .12	1.51	1				9	1	1
MANDAN FT LINCOLN PARK	59.0		90	12+	28	24	2	2	1.77		1.01	1				8	1	1
MAX	56.3	2.2	90	13	27	23	1	2	1.86	- .34	.86	1				7	3	0
MC CLUSKY	55.5M	1.5	88	13	29	23	0		2.63	.17	.71	30				9	4	0
MINOT CAA	56.2	3.1	91	12	29	23	1	3	4.63	2.47	2.55	30	.T			7	4	1
MINOT EXP FARM	56.8		90	12	28	23	1	3	2.78		1.17	30				10	4	1
MOHALL	56.3	3.2	90	12	28	24	1	3	2.98	1.00	2.11	30				7	3	1
NAPOLEON 2 SE	56.4	3.2	85	12	30	24	0	1	2.22	- .22	.60	1				12	3	0
NEW SALEM 1 S	56.0	2.6	87	13	30	9+	0	3	4.62	2.22	1.04	17				8	6	2
PETTIBONE	55.9	2.7	87	12	27	24	0	3	2.89	.63	.85	1				11	3	0
RIVERDALE	56.2		87	30	29	23	0	2	1.81		.82	2				10	2	0
ROLLA	53.4	1.4	85	12	27	24	0	5	1.66	- .46	.65	17	.T			9	2	0
RUGBY 1 N	57.1		88	12	29	23	0	2	3.01	1.04	.74	18				13	4	0
STEELE	56.9	2.9	86	12	28	24	0	3	3.09	.57	.70	17	.T			14	5	0
TOWNER	56.7	2.4	90	12	27	23+	1	2	1.87	- .34	1.10	17				4	2	1
TURTLE LAKE	57.6	3.7	90	12	28	23	1	2	2.77	.60	2.00	30				7	2	1
UNDERWOOD 12 W	57.8	1.5	89	12+	31	6+	0	3	3.07	.95	1.12	1				8	4	1
UPHAM WILDLIFE REFUGE	56.9M		91	12	25	23+	2	3	1.84		.70	1				8	3	0
VELVA	57.4	2.8	91	12	30	23	1	4	2.14	- .04	.71	1				9	3	0
WASHBURN	58.8	3.5	89	12	31	23	0	1	2.39	.22	1.40	1				8	3	1
WESTHOPE	56.3	3.2	92	12	26	23	1	2	.85	- 1.03	.39	1				6	1	0
WILLOW CITY	55.5	3.3	89	12	28	23+	0	3	2.16	.25	.86	1				7	3	0
WILTON RR STATION	55.7M	1.8	87	4+	28	23	0	3	2.32	- .07	1.65	1				7	2	1
WISHEK	55.7M	2.5	85	13	28	24	0	2	2.73	.32	.79	17				13	3	0
DIVISION	56.4	2.7							2.54	.38								

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
AMIDON	57.3	3.8	92	29	28	23	2	3	1.01	- 1.33	.27	1				9	2	0
BEACH	57.1	4.1	88	30	28	23	0	3	1.34	- .92	.46	4				11	1	0
BELFIELD	56.7	3.6	92	28	25	23	1	7	1.47	- .88	.43	1				9	3	0
BOWBELLS R R STATION	53.9M	1.5	90	13	22	19	1	7	.84	- 1.44	.25	19				7	1	0
BOWMAN COURT HOUSE	58.1M	4.5	86	17	32	23	0	1	2.21	- .11	1.01	18	.T	T	23	7	2	1
CROSBY	55.6	3.3	91	13	26	23	1	5	1.37	- .60	.89	18				8	2	0
DICKINSON CAA	57.1	4.4	89	29	27	23	0	1	.45	- 1.88	.19	29				7	0	0
DICKINSON EXP STATION	56.9	4.2	89	13+	27	23	0	5	1.33	- 1.00	.53	1				13	2	0
DUNN CENTER	57.2M	4.4	93	12+	25	23	5	5	1.32	- 1.02	.48	1				6	2	
ELBOWOODS	56.8M	2.2	89	10	27	23	0	6	.99	- 1.20	.53	19				4	2	0
EPPING	58.2	3.2	91	12	22	23	1	3	2.01	- .13	.61	17				7	3	0
GRENORA	58.7M	6.5	90	12	24	23	1	4	.79	- 1.43	.74	30				2	1	0
HETTINGER	57.7	3.2	90	28	29	24	1	5	1.71	- .57	.73	1				8	3	0
KENMARE	56.2		90	13	27	23	1	6	1.41		.69	18				6	2	0
MARMARTH	59.0M	5.4	90	12	31	24	1	3	1.22	- 1.07	.98	18				4	1	0
MEDORA T R N M P	58.6M		91	12	27	2	3	5	.77		.30	4				5	1	0
MOTT RR STATION	57.6	3.0	91	28	29	24	1	4	1.46	- .80	.43	1				7	2	0
NEW ENGLAND	59.0	5.8	92	29	29	23	2	3	1.55	- .62	.90	29				5	2	0
PARSHALL	56.1	2.1	90	12	26	23	1	6	2.35	.18	.92	18				8	4	0
PORTAL	55.4	3.3	91	13	23	23	1	5	.87	- 1.20	.24	17				7	0	0
RICHARDTON ABBEY	57.9	4.0	90	29	27	23	1	2	2.20	- .26	.80	17	.T			10	3	0
SANISH	53.8	- 1.4	92	13	28	2	1	7	1.51	- .44	.78	16				7	1	0
STANLEY	54.1		90	12	22	23	1	9	1.19	- 1.00	.44	17				6	1	0
VAN HOOK	57.5		92	12	24	23	1	4	1.76		.63	18				8	3	0
WATFORD CITY	58.8	4.3	93	12	26	23	1	2	1.54	- .45	.39	18				10	3	0
WILLISTON WB CITY	58.4	4.4	91	12	28	23	1	1	1.68	- .38	1.00	17	.T	T		9	2	1
DIVISION	57.1	3.6							1.38	- .77								
STATE	56.6	3.1							2.34	.08								

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S		.60	.06			.1B							.22			.16														.22	1.44
ALEXANDER RR STATION	.23				.15											.07	.04	.3B	.11			.04	.03		.01					.44	T	1.50
ALPHA 1 S	.16		.12			.02					T					.05	T	.07			.22	.02		T	.02						.07	.75
AMIDON	.27			.03	T												.14	.26	.02		.04	.08		T	.01					.16		1.01
ARVILLA STATE PARK	.70		.06	.16	.31												.02	.07		T		.02							.79	.26	2.45	4.84
ASHLEY 2	.50	.0S		.06	.53	T											.02	.31					.12			.21			.2S		.10	2.15
BALDHILL DAM		1.02	T	.0B	.80	.1S					T		T				.02	.15	T			T			.01		T				.80	3.03
BALFOUR RR STATION R	.40			.08			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.35	1.40	-
BEACH	.24			.46	.11							.02					.16	.10	.04			.01	.02		.01					T	.17	1.34
BELCOURT INDIAN RES	.23													.03			1.19	.08	.01											T	.15	1.69
BELFIELD	.43			.0B						.06						.03	.3S	.07				.07							.26		.12	1.47
BEULAH	.6B			.12												T	.38	.12		.02		.07		.03	.21				.04	1.13	.36	3.16
BISBEE	.28	.01		T								T		T			.56	.10						T	T	T				.69	.19	1.83
BISMARCK WB CITY	1.09	T		T							T	T					.1S	.12				T			.02	.11			T			1.49
BISMARCK WB AIRPORT 2	.39			T	T					T		T			T	.1S	.11	.06	.01			.12		.02	.11	T		T	T	T	1.18	2.1S
BOTTINEAU	.65		T											.10			1.73	.S1			.02			.10	.02					T	.90	4.03
BOTTINEAU STATE PARK	.B0		T											.10		.01	1.50	.20												.10	1.50	4.21
BOWBELLS RR STATION	.20																.1B	.2S	T		.04				.08	.05					.04	.84
BOWMAN COURT HOUSE 2	.29																	1.01			.06	.16	T	.03			T	.23		.23	.20	2.21
BREIEN	1.93																.15	T											.83			2.91
CARRINGTON	.S5	.27		T	.04	.1B					T		.01				.22	.04	.01				T		.01	.03		T		.30	.17	1.83
CARSON 2 SW	.90																.09	.29	.02			.0S	T	T				.66		.10	.87	2.98
CAVALIER POWER PLANT	.57	T	.06	T	.08					.08							T	.25		T	T				.05	.18			T	1.52	.3S	5.14
CENTER										.05						.20	.30	.07	.04			.06			.15			.03		.01	1.43	2.34
COGSWELL	.70			T	.40													1.20										.20				2.50
COLGATE	.7S			.90	.62												.SB												.50	.08	.34	4.27
COOPERSTOWN	.84		T	.45	.2S													.08										.08	1.10	.48	1.10	4.38
COURTENAY	.43			.11	.23					T							.13	.03						T	T			.13	.39	.11	.80	2.36
CROSBY	.02																.33	.89			.01	.01		.01	.04	.06						1.37
DAWSON R	.48			.0S	.1S							.06				.03	.SS					.05			.15	.10		.70		.15	2.36	4.83
DEVILS LAKE WB CITY 2	.7B	.03		T	.04					T		.02					.24	.24	T	T	.01	.01		.02	T	T		.04	.02	.57	.74	2.76
DICKINSON CAA 2				T						T	.01	T				T	.10	.03	T		.0S	.0S							.19	T	.02	.45
DICKINSON EXP STATION	.53			T	.01						T	T				.02	.02	.08	.03		.01	.02	.04		.01	T			.05	.4S	.06	1.33
DRAKE	1.20			.06													.01	1.27			.01					.1S						2.70
DUNN CENTER	.48			.19	.02												T	.4S	.10				.08		T					T	T	1.32
DUNSEITH ST SANITARIUM	.70		.04											.04		T	1.06	.56				T	.01	T	T			T	1.68	1.39	5.48
ECKMAN	.42		.05		.06												.04	1.65			.03				.16	.01	.11		T		.0/	2.57
EDGELEY EXP FARM 2	1.03			.20	.21	T				T						.21	.02	.23				.08	.01		.01	.03		.02		T	1.15	3.20
EGMORE 1 W	.45			T	T					.0S		T	.02	T		T	.2S	.4S	T	T	T	T	T	.02		T			.11	.21	1.56
ELBOWOODS				.33														.04	.53					T						.09	.99
ELLENDALE NORMAL SCB	1.19			.02	.11	.02											T	.07			T	.09	.07	T		.18		.01		T	.27	2.03
EPPING	.14				T												.61	.50			.03				.05					.60	.08	2.01
FAIRFIELD 9 N	.33	T		.48	.05										.0S	.30		.31	.33			.14							.05	T	2.04
FARGO WB AIRPORT	.99		T	.12	.78					T		T	T			.01	.26	.09		T	T	.02		T				T	.31	.4B	.48	3.54
FESSENDEN	.S9				.0S												.04	.29				.03		.09	.10			.24			.18	1.61
FORMAN	1.08			.04	1.23								.19			T		.70	T			T	.0B	T	.04			.40	T			3.76
FORT YATES	.40			.10	.18												.3B					.15		T	T			T	1.65	T	.85	3.71
FOXHOLM WILDLIFE REF	.44		.02	.02	T											T	.39	.44						.08					1.34		.27	3.00
FULLERTON	.9B			.04	.17							T				T	T	.18				T			T	.01		.30	T		.77	2.45
GACKLE	.B0			.17	.26								.01					.27							.10	.03		1.00	.18	.01	.30	3.13
GARRISON 2	.82			.07													.27	.53							.11	T				.91	.30	3.01
GLEN ULLIN R	.22															.01	.37	.01				.11						.04	.04	.15	.58	1.53
GRAFTON STATE SCHOOL	.67		.01	.01	.25	.01				.04			.01					.34		.01		T		.04		T			.22	.01		1.62
GRAND FORKS CAA Z	.62	T		.24	.53					T		.04		.01		.03	.0B	.39	T	.04	T	T		T		.07		T	.82	.12	.95	3.94
GRAND FORKS UNIVERSITY	.88	.04	T	.28	.73						T		.02	T			.0S	.S1	T	.04	.02	T	T	.01		.07			.85	.18	.93	4.61
GRANO R//	.34																.2S	.05						.08					.67	.41	1.80
GRANVILLE	.77	T		.01													.83	.28	T				.09	.02	T				.05	.08	2.13
GRENORA																					.05				T		T		.74		.79
HALLIDAY	.50			.13													.30	.16				.10			.08					.15	1.41
HANKINSON RR STATION		.S2			.11	.72							.02				T	.32				.03	.09				T	.16	.04		.23	2.24
HANNAFORD R	.69			.40	.27											.0B	.02											.02	.18	.18	1.24	3.08
HANNAH	.70																.60	.20												1.02	.33	2.8S
BANSBORO	.17									T				.01		T	.72	.04													.17	1.11
BARVEY WATER WORKS	.60			T	T												.14	.36				.03		.12		.02		.04	.02	T	T	1.33
HAZELTON RR STATION R//	.21				.08												.49	.08						.03	.05			.44	.02		1.21	2.61
HETTINGER	.73				.03						T	T			.10	T	.33	.2B				.16	T	T	.02						.06	1.71
HILLSBORO	1.50		T	.73	.32					T			T			T	.14	.02		T	T	T		T			T	.03	.34	.75	.42	4.25
HURDSFIELD R	1.04			.04						.13						.11	.07					.05						.48		-	.85	
JAMESTOWN CAA 2	.77			.06	.1B					T		T	T			T	.17	.10				.01		T	.01	T		T	T	.15	2.25	3.70
JAMESTOWN STATE BOSP	.65			.11	.19					T			T			.05	.14	.12				.04		T	T	.04		.15	T	.20	.90	2.59
KENMARE	.34		.02														.16	.69						T	.0B					.12	1.41
KENSAL WILDLIFE REFUGE	.62			.32	.13												.16								.06				T	.S9	2.67	4.55
KRAMER S SE R	.40																1.65	.21						.09						.0S	1.40	3.80
LA MOURE	1.12			.08	.11	.03										.01		.18				.01		.03	T	.04		.33	.02	.46	.44	2.86
LANGDON EXP FARM	.40		.07							.03							.10	.67							.03						.03	1.33
LARIMORE	.S3			.12	.27													.06											.28	.33	.12	2.71
LEEDS	.36															.12	.	.35			.02			.07	.01			.35		1.45	.10	2.86
LINTON	.20				.30												.S0	.18				.06		.01	.09			.03	.14		.16	1.67
MADOCK AGR SCHOOL	.54		.04														.11	.23	.02			.02			.22			.01	.01		.10	1.30
MANDAN EXP STATION 2	1.5I			.01	T	T					.01		T			T	.16	.11	.02	T			.09		T	.17			.06		T	2.14
MANDAN FT LINCOLN PARK	1.01				.02						T						.13	.1B	.01			.06			.17			T		T	.19	1.77
MARMARTH				T							T				T	.05	T	.9B				T	T	T	.12		T			.07		1.22
MAX	.86			.07	.05													.3B	.0S							.09					.36	1.86
MAYVILLE	.87	T		.43	.87	.01				.02	.11		T				.05	.6B		.01	.04	T		T			T	T	.25	1.11	.98	6.3B
MC CLUSKY	.64										.0B						.12	.32				.0S			.0S			.06		.71	.60	2.63
MC GREGOR RR STATION R	.05																.8S	.26							.09					.17	.60	2.02
MC RENRY S N	.45			.24	.09												.21	.02	T			.07		.04	.01			.05	.35	.20	.11	1.84
MC LEOD 3 E	1.34			.08	1.02												.20				.16	.05		.09		.05		.17		.12	.65	3.93
MC VILLE	.6B			.02	.11												.05	.17				.06		.04				.10		.08	.30	1.61
MEDINA 1 W	.42			.18	.14							T					.08	.07		T		.05			.0S	.03		.6B	.05	.1I	.16	2.02
MEDORA STATE PARK				.37											.30		.0B	.02										.4S			.11	1.33
MEDORA T R N M P				.30	T										.20		T	.06				.05									.16	.77
MINOT CAA 2	.35	T		.09								T				T	.62	.19		T		T		.08	T					2.3S	.75	4.63
MINOT EXP FARM	.52	.01		.08	T												.43	.33	.01	.01		T		.06	T					1.17	.16	2.78
MOFFIT RR STATION	.51			.09	T	.09												.21					.0S		T	.10			.13			1.18
MOHALL	.33	.01		T													.26	T		T		.10	.02	T					2.11	.15	2.98
MONTPELIER	.5B	.5B		.17	.47	.15							.03				.08	.18					.02				.06	.19	.12		.41	3.04
MOTT RR STATION 2	.43											.20				.02	.35		T			T		T				.07	.21	.18	1.46
MUNICH 4 SW	.40	.03	T	.01	.05					.01		.01		.01			.20	.30	T				T	T	.07	T				.54	.16	1.79
NAPOLEON 2 SE	.60			.07	.1B						T						.20	.39	.01			.03		.01	.11			T	.44	.03	.15	2.22
NEW ENGLAND				T													.48	.07	T			.04	T					T	.90	.06	T	1.55
NEW ROCKFORD 6 NW	.56	T	T	T	.12							T					.1S	.23	T	T	T	.03		.03	.07		T	.06	T	.02	.14	1.41
NEW SALEM 1 S	1.10				T					T							1.04	.33	T		.15			.10				.90	.30	T	.70	4.62
OAKES WATER WORKS Z	.57	.77		.03	.01	.35											.03	.75			T		.0B				T	.18			.09	2.86
OMEMEE 3 SE R	.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARK RIVER	.S5		.08		.19								.25	.02			.03	.43			.02	T		T		T		T		.10	.22	1.89
PARSHALL	.41	T		.35	.01							T		T			.38	.92				T			.13					.09	.06	2.35
PEMBINA CAA Z	.70	T	.05	T	.08					.23		.02					.22	.44		T			T			.36		.01	.08	.33	.26	2.78
PETERSBURG	.65		.09	.02	.10												.24	.37		T	.07			T				.02	T		.21	1.77
PETTIBONE	.85			T	.24					.07		.01					.24	.02		T		.03		T	T	.01		.13		.68	.61	2.89
PORTAL	.19																.24	.18			.02			.09	.04					.11		.B7
PRETTY ROCK	.50									T		T			T	.12	.33	T			.02	.07						T		.10	.90	2.04
RAUB R	.29			.33	.02												.61	.39							.0S					.09	.83	2.61
RICHARDTON ABBEY	.50			T							T						.80	.12	.02	T	.08	.06		T	T			.02	.38	.08	.14	2.20
RIVERDALE Z	.04	.82		.04	.03								T				.03	.44	.16	T			.02			.03				.20		1.81

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

Station	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ROLLA	.17	T	.04							.02		.02		.05			.65	.10								T				.08	.53	1.66
RUGBY 1 N	.65	.04		.03									.03				.48	.74	.01		.02			.09	.02			.65		.18	.07	3.01
RYDER	.70			.13	.07													.04	.76							.15		.02			1.15	3.02
SAMISH	.20			.07	.20										.12	.78	.09								.04				.01			1.51
SARLES R//	.53																1.10	.40												1.85	.28	4.16
SHARON	.70			.81	.50					.01							.16	.08	T	.04		.06		.03				.10	T	.87	2.20	5.56
SHERWOOD	.28															T	.25				.09			.05	T	.02				1.30	.20	2.19
STANLEY	.24			.13								T					.44	.24				T		.04	.10			T			T	1.19
STEELE	.48			.09	.33							.02					.70	.09	.02		T	.09		T	.18	.03		.09	.10	.36	.51	3.09
TAGUS	.37		T	T								T					.45	.25	T					.04	T				.03	.05	.02	1.21
TIOGA	.05																.30	.70						.04	.10						.10	1.29
TOWNER	.65																1.10	.10										T		.02		1.87
TROTTERS		T		.82											T		.03	.25		T		.07		T					.10	T	1.02	2.29
TURTLE LAKE		T		T	T					.04				T			.07	.27				.03			.12	T		T		2.00	.24	2.77
TUTTLE 8 SW	.78				.09											.32	.14								.18	.25		.63			.45	2.84
UNDERWOOD 12 W	1.12			.17						T		T					.15	.49	T	T		.04			.12					.40	.58	3.07
UPHAM WILDLIFE REFUGE	.70			.03												T	.35	.57			.03	T		.11						.03	.02	1.84
VALLEY CITY	.98			.64	.40								.01					.15				.01		T				.18	T	.46	.02	2.85
VAN HOOK	.21			.40	T									T			.35	.63	.01						.05					.06	.05	1.76
VELVA	.71	T		.06								T					.03	.61		T		T		.10	.02				.02	.38	.21	2.14
VERONA				.15	.10												.15	.30					.05					.40			.05	1.20
WAHPETON POWER PLANT R	.20				.68	.02											.20	.08												.37	1.59	3.14
WAHPETON STATE SCHOOL	.18	.04		.06	.78	.03							.02				.05	.12		.02		.04	.01	T				.08			.31	1.74
WASHBURN	1.40									.02							.11	.26				.10			.13				.05	T	.32	2.39
WATFORD CITY	.17			.36													.28	.39			.03	.06		.02	.06					.08	.09	1.54
WESTHOPE	.39															.05	.23				.11			.05						.02		.85
WILDROSE	.13											T					.73	.74	T		.02			.03	.06				T	.33	.05	2.09
WILLISTON WB CITY R		T	T	T							T			T	.01	T	1.00	.28	T	.01	.06	T	T	T	.02		T		.04	.02	.24	1.68
WILLOW CITY	.83	T														T	.54	.17						.10		T		.01		.28	.23	2.16
WILTON RR STATION	1.65				T	T					.05						.26	.11	.05				.08			.12						2.32
WISHEK	.61		.08	.15	.02											.06	.79	.01	T	T			.05	T	.04	.12		.14	.61		.05	2.73

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																										
BALFOUR R R STATION		.12	.07	.05	.08	.08																				.40
BISMARCK WB AIRPORT		.05	.09	.10	.12	.03																				.39
DAWSON			.01	.08	.17	.05	.02	.06	.07	.72																.48
DEVILS LAKE W B CITY			.04	.01	.14	.04	.01	.05	.07	.12	.09	.11	.08	.02												.78
DICKINSON CAA		.01	.01																							.02
EDGELEY EXP FARM					.03	.10	.16	.11	.09	.19	.06	.13	.11	.03	.01	.01										1.03
FARGO WB AIRPORT	//										.04	.04	.13	.28	.22	.13	.08	.03		.02	.01	.01				.99
GARRISON		.03	.13	.13	.04					.01		.01														.35
GLEN ULLIN		.19	.03																							.22
GRANO	//	.04	.04	.13	.12	.01																				.34
HANNAFORD							.06	.01	.04	.04	.11	.21	.08	.04	.06	.02	.02									.69
HAZELTON R R STATION	//	.01	.07	.03	.02	.08																				.21
HURDSFIELD		.18	.54	.07	.13	.12																				1.04
JAMESTOWN CAA	//	.72	.03		.02	.07	.06	.07	.03	.12	.05	.06	.11	.06												.70
KRAMER 5 SE		.09	.08	.03	.03	.07	.08		.02																	.40
MANDAN EXP STATION		.05	.03	.08	.01		.01																			.18
MC GREGOR RR STATION		.03	.01	.01																						.05
MINOT CAA	//	.01	.09	.14	.06	.03																				.33
MOTT RR STATION		•	•	•	•	•	.67																			.67
OAKES WATER WORKS		.02					.13	.27	.05	.11	.13	.14	.10	.10	.11	.06	.01	.01	.01							1.25
OMEMEE 3 SE		.08	.17	.05	.08	.03	.06	.03		.03																.53
PEMBINA CAA	//												.03	.12	.10	.11	.03	.02	.07	.05						.53
RAUB	//	.05	.15	.07	.02																					.29
SABLES 3 E	//	.01	.02	.07		.08	.15	.01	.07	.04	.05	.02	.01													.53
WAHPETON POWER PLANT														.05	.10	.05										.20
—2d—																										
DEVILS LAKE W B CITY																					.03					.03
OMEMEE 3 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—3d—																										
PEMBINA CAA	//		.01	.01																						.02
—4th—																										
BALFOUR R R STATION								•	•	•	•	•	.08													.08
DAWSON		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.05							.05
EDGELEY EXP FARM						.04	.03	.01	.01	.01			.02	.06	.01	.01										.20
FARGO WB AIRPORT	//																	.11	.01							.12
GARRISON								.04	.03	.01		.01														.09
HANNAFORD								.02	.04	.01				.02	.16	.03	.04	.08								.40
HURDSFIELD														•	•	•	•	•	•	•	•	•	•	•	.04	.04
JAMESTOWN CAA	//						.03							.01	.03											.07
MINOT CAA	//														•	.03				.01	.01					.05
OAKES WATER WORKS						.01	.01	.01																		.03
RAUB	//				.01	.03	.01	.03	.10	.02	.02	.02	.01		.04				.01	.02	.01					.33
RIVERDALE							.02	.02					.01			.04										.09
—5th—																										
DAWSON								.02	.02	.02	.02		.04	.03												.15
DEVILS LAKE W B CITY													.01	.03												.04
EDGELEY EXP FARM					.07	.08	.01	.01	.01	.01	.01	.02						.01	.01							.24
FARGO WB AIRPORT	//			.01	.01		.02	.02	.01					.14	.07	.07	.24	.13	.03	.01		.01	.01			.78
HANNAFORD								.02	.08	.05		.01	.03	.04		.02		.01	.01							.27
HAZELTON R R STATION	//							.01	.01	.02	.01	.03														.08
JAMESTOWN CAA	//						.10	.05	.04			.01	.01		.01	.01										.23
OAKES WATER WORKS								.02								.17	.11	.02	.01		.01	.01				.35
PEMBINA CAA	//													.02	.01	.02	.01	.01								.07
RAUB	//				.02																					.02
WAHPETON POWER PLANT										.05					.15	.29	.11	.04	.03	.01						.68
—6th—																										
WAHPETON POWER PLANT		.02																								.02
—10th—																										
BALFOUR R R STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD																		.13								.13
PEMBINA CAA	//				.02	.06	.05		.01	.01																.15
—12th—																										
DAWSON		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.06	.06
DEVILS LAKE W B CITY																					.02					.02
MOTT RR STATION																.18										.18
PEMBINA CAA	//																				.02					.02
—15th—																										
MOTT RR STATION																						•	•	•	•	•
WILLISTON WB CITY																				.01						.01
—16th—																										
BISMARCK WB AIRPORT																								.02	.13	.15
DAWSON																				.02	.01					.03
DEVILS LAKE W B CITY																							.02			.02
EDGELEY EXP FARM																		•	•	.24						.24
FARGO WB AIRPORT	//																						.01			.01
GLEN ULLIN																									.01	.01
HANNAFORD																									.08	.08
HURDSFIELD																					.03	.08				.11
MANDAN EXP STATION																						.12	.03			.15
MOTT RR STATION		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.33					.33
OAKES WATER WORKS																								.02	.03	.05
—17th—																										
BISMARCK WB AIRPORT																								.06	.05	.11
BOWMAN COURT HOUSE	//																		.20	.17	.01	.05	.15	.29	.21	1.08
DAWSON																.24	.31									.55
DEVILS LAKE W B CITY		.07	.01		.08															.08			.03	.01		.28
DICKINSON CAA															.06	.01	.02	.01								.10
EDGELEY EXP FARM																		.01	.01							.02
FARGO WB AIRPORT	//			.01	.08	.02															.01	.01	.01	.04	.00	.26
GARRISON		.07	.08															.12				.03	.02		.05	.35
GLEN ULLIN		.01																	.29	.03			.02		.02	.37

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
LANO	//															*	*	*	*	*	*	*	*	*	.25	.25
ANNAFORD			.01	.01																						.02
AZELTON R R STATION	//																.03	.05	.04					.27	.10	.49
ARDSFIELD		.02															.02	.03								.07
AMESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAMER 5 SE															1.00	.01	.05	.18	.16	.20	.05					1.65
ENDAN EXP STATION																.01			.01			.01	.05		.01	.09
T GREGOR RR STATION						.02	.29	.12		.02							.03	.02	.03	.12	.0R	.12				.85
INOT CAA	//			.03														.12	.10	.20	.02				.07	.54
AKES WATER WORKS																			.30	.03		.08	.13	.07	.02	.63
EMBINA CAA	//									.04	.05												.0R			.17	
LUB	//	.01	.12	.15	.01	.01													.21	.02	.05	.02			.01	.61
VERDALE		.06														.01		.01							.21	.29
ARLES 3 E	//	.08					.07	.05											.10	.75	.02	.02			.01	1.10
HEPETON POWER PLANT																		*	*	.08			.12			.20
ILLISTON WB CITY						.02										.77	.06	.11	.01				.01	.01	.01	1.00
													-18th-													
SMARCK WB AIRPORT				.02	.02	.01	.01																			.06
VILS LAKE W B CITY					.01	.03	.10	.02		.01	.01															.1R
CKINSON CAA				.01	.01	.01																			.02	.05
GELEY EXP FARM		.04	.06	.03				.04																		.17
RGO WB AIRPORT	//			.08	.01																					.09
RRISON		.13	.07	.02	.01	.05	.02	.02	.03				.01		.02	.01										.39
EN ULLIN		.01																								.01
ANO	//					.02	.01	.01	.01																	.05
ZELTON R R STATION	//	.02	.01	.05																						.0R
MESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMER 5 SE		.01	.06	.04	.04	.03			.02	.01																.21
NDAN EXP STATION			.01																							.01
GREGOR RR STATION		.03	.07	.06	.04	.03	.01			.01	.01															.26
NOT CAA	//	.23			.01	.02										.01	.01									.2R
KES WATER WORKS		.02	.05	.01																						.0R
MBINA CAA	//	.28	.02	.01	.01																					.32
UB	//	.01	.08	.09	.07	.04	.02	.01	.01	.01	.03	.02														.39
VERDALE		.09	.09	.01											.03	.07	.02	.03								.34
ARLES 3 E	//	.04	.03	.0R	.05	.12	.07	.01																		.40
HEPETON POWER PLANT				.02				.01			.05															.08
ILLISTON WB CITY		.05	.03	.04	.05	.02	.02	.02	.02	.01	.01				.01											.2R
SMARCK WB AIRPORT																										
													-19th-													
CKINSON CAA			.01																							.01
													-20th-													
MAN COURT HOUSE	//																						.04		.02	.06
ILLISTON WB CITY																		.01								.01
													-21st-													
MAN COURT HOUSE										.02																.02
ILS LAKE WB CITY										.01																.01
CKINSON CAA										.02																.02
ILLISTON WB CITY			.03	.02	.01																					.06
													-22d-													
MARCK WB AIRPORT												.01	.07	.04												.12
MAN COURT HOUSE	//												.11		.01											.12
SON														.03	.02											.05
ILS LAKE W B CITY																			.01							.01
KINSON CAA										.01	.02	.01														.04
ELEY EXP FARM																	.04	.03		.04						.11
GO WB AIRPORT																		.01			.01					.02
N ULLIN									.01	.01	.07	.01	.01													.11
DSFIELD																.01	.03	.01								.05
DAN EXP STATION												.07	.01													.08
ES WATER WORKS																		.03	.02				.02			.07
ERDALE														.05	.01	.01										.07
													-24th-													
MARCK WB AIRPORT																					.02					.02
MAN COURT HOUSE																								.01	.01	.02
ILS LAKE W B CITY													.01			.01										.02
NO	//									.02	.02	.03	.01													.0R
ELTON R R STATION	//															*	*	*	*	*	.03					.03
NER 5 SE											.05	.02	.02													.09
OT CAA	//										.02	.07														.09
ES WATER WORKS																				.03						.03
													-25th-													
MARCK WB AIRPORT												.03	.07	.01												.11
MAN COURT HOUSE	//	.01																								.01
SON													.11	.04												.15
ELEY EXP FARM														.02												.02
RISON										.04	.06															.10
ELTON R R STATION	//													.05												.05
OAN EXP STATION											.04	.09	.04													.17
GREGOR RR STATION									.02	.02	.02	.02	.01													.09
B	//									.02	.02	.01														.05
SRDALE										.07																.07
LISTON WB CITY									.01		.01															.02
													-26th-													
SON																		.10								.10
ELEY EXP FARM																	.01	.01	.03							.05
BINA CAA	//										.0R	.05	.03	.03	.06											
													-28th-													
ROUR R R RTATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DSON		.2R	.37	.02	.01	.01	.01																			.70
OILS LAKE W B CITY							.04																			.04
ELEY EXP FARM				.07	.01		.12			.10		.03	.02													.35
G ULLIN								.02											.02							.04
NAFORD																	.02									.02
RLTON R R RTATION	//																			.39	.01	.04				.44
DSFIELD		.34	.03	.01									*	*	*	*	*	*	.10							.4R
DAN EXP STATION																		.06								.06
R RR STATION																				*	.07					.07
OES WATER WORKS						.12	.03	.01																		.16

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

Station		A.M. Hour ending												P.M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
PEMBINA CAA	//																			.01						.01
–29th–																										
BOWMAN COURT HOUSE	//	.01																								.01
DEVILS LAKE W B CITY																			.01		.01					.02
DICKINSON CAA																		.10	.08			.01				.19
FARGO WB AIRPORT	//																								.31	.31
GLEN ULLIN					.01	.01		.02																		.04
HANNAFORD																		.04	.05	.01			.01	.01	.06	.18
HAZELTON R R STATION	//														.02											.02
HURDSFIELD										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAMESTOWN CAA	//													.01	.04											.05
MOTT RR STATION																			*	*	*	*	*	*	*	*
PEMBINA CAA	//										.01	.01						.01					.01			.04
WILLISTON WB CITY								.04																		.04
–30th–																										
BOWMAN COURT HOUSE	//	.01	.03	.04		.04	.08	.08								.35						.10				.38
DAWSON																	.01	.12	.02							.15
DEVILS LAKE W B CITY							-										.02			.32	.11	.01	.11			.51
FARGO WB AIRPORT	//																.01	.01	.45			.01				.48
GARRISON																.39	.28	.23	.02							.92
GLEN ULLIN													.15													.15
GRANO	//																	.15	.26	.23	.01		.02			.67
HANNAFORD		.02														.04	.06	.03		.02				.01		.18
HURDSFIELD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-
JAMESTOWN CAA	//														.01	.07	.04	.01								.12
KRAMER 5 SE																					.02	.01		.01	.01	.04
MC GREGOR RR STATION									.01	.01	.03	.02									.10					.17
MINOT CAA	//																1.95	.29	.17	.12	.02					2.55
MOTT RR STATION		*	*	*	*	*	.10				.01	.03							.06	.01						.21
OAKES WATER WORKS																		.08	.01							.09
PEMBINA CAA	//	.01	.01	.02	.02	.01		.01	.01												.03	.04	.02			.18
RAUB	//	.01		.01		.01											.02	.03	.01							.09
RIVERDALE																										-
SARLES 3 E	//				.21	.17	.16	.04	.02														1.03	.22		1.85
WAHPETON POWER PLANT																			.10	.10	.15				.02	.37
WILLISTON WB CITY				.02																						.02
–31st–																										
BALFOUR P R STATION																			.16	.14	.14	.18	.24	.31	.23	1.40
BISMARCK WB AIRPORT												.13				.03	.10	.07	.11	.09	.18	.22	.09	.03	.13	1.18
BOWMAN COURT HOUSE	//																.25									.25
DAWSON												.05	.14	.01			.01	.01	.58	.17	.63	.52	.03	.07	.14	2.36
DEVILS LAKE W B CITY															.06	.01	.01	.01	.10	.06	.04	.03	.12	.25	.05	.74
DICKINSON CAA								.02																		.02
EDGELEY EXP FARM															.01					.12	.84	.06	.10	.06	.01	1.20
FARGO WB AIRPORT	//																						.08	.25	.15	.48
GARRISON										.02		.01	.03				.03	.11	.05	.03	.02	.08	.22	.23	.12	.95
GLEN ULLIN															.07	.10	.10	.06	.05	.02			.12	.05	.01	.58
GRANO	//								.01	.01										.01	.03		.03	.10	.22	.41
HANNAFORD													.01		.04	.02	.14	.21		.04	.01	.45	.30	.02		1.24
HAZELTON R R STATION	//																.02	.02	.01	.09	.19	.32	.06	.13	.37	1.21
HURDSFIELD													.06	.02				.02	.01	.15	.14	.17	.23	.01	.04	.85
JAMESTOWN CAA	//															.04	*	.99	.17		.18	.47	.29	.03	.01	2.18
KRAMER 5 SE																			.02	.03	.47	.24	.21	.20	.23	1.40
MANDAN EXP STATION										.05	.04				.06	.07	.02	.10	.09	.18	.21	.10	.09	.13	.09	1.23
MC GREGOR RR STATION		.01	.11	.21	.15	.10		.01		.01																.60
MINOT CAA	//															.01		.01	.01	.02	.05	.05	.15	.20	.23	.73
MOTT RR STATION			.04	.01				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES WATER WORKS																			.01			.26	.08	.10		.45
OMEMEE 3 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA	//	.01																	.01	.02	.07	.11	.04			.26
RAUB	//									.01	.01									.01				.62	.18	.83
RIVERDALE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SARLES 3 E	//																					.02	.01	.05	.20	.28
WAHPETON POWER PLANT											.01												1.40	.10	.08	1.59
WILLISTON WB CITY										.09	.01											.05	.06	.02	.01	.24

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
AMIDON	MAX	59	80	75	63	63	68	72	74	77	83	77	88	72	76	84	77	81	63	50	72	65	58	48	74	74	80	83	91	92	79	73	73.3
	MIN	33	35	45	44	42	32	39	38	33	35	39	46	50	45	44	45	51	33	34	38	44	38	28	29	43	46	40	54	52	56	50	41.3
ARVILLA STATE PARK	MAX	80	76	83	75	56	69	78	71	62	82	78	86	81	60	84	85	84	78	50	53	73	71	53	57	69	66	74	76	76	84	83	72.7
	MIN	48	40	40	43	47	39	38	42	32	43	43	30	47	29	34	46	63	36	34	39	47	36	34	22	28	35	28	39	49	61	56	40.3
ASHLEY	MAX	73	59	82	80	60	54	60	68	75	67	78	79	86	70	72	78	76	75	45	47	63	72	71	51	68	64	77	68	81	85	81	69.8
	MIN	42	36	55	51	48	37	33	38	34	41	46	50	55	35	47	51	56	41	35	35	43	42	41	28	34	39	40	51	52	54	52	43.3
BALDHILL DAM	MAX		83	74	83	63	55	62		72	63	81	77	84			81	82	79	44	46	53		74	54	60	66	78	70		84	84	69.3
	MIN		37	50	44	48	35	36		32	39	46	37	49			28	60	36	33	34	45		32	26	26	33	31	48		45	47	39.5
BEACH	MAX	60	60	81	70	53	61	65	71	75	75	83	82	87	72	72	81	76	77	40	53	70	62	56	48	72	73	79	85	87	88	76	70.6
	MIN	34	34	47	45	43	30	38	41	39	42	51	52	48	48	53	54	55	33	33	38	45	38	28	30	46	49	46	50	56	58	49	43.6
BELCOURT INDIAN RES	MAX	58	72	72	66	60	64	70	67	57	78	69	85	76	60	79	78	73	43	47	51	60	58	44	59	61	56	64	70	79	81	75	65.5
	MIN	43	39	42	45	47	32	36	44	30	40	40	37	41	33	42	48	42	30	31	38	38	29	28	19	32	40	29	48	55	58	55	39.1
BELFIELD	MAX	63	82	72	64	63	70	74	76	83	87	88	89	76	75	84	78	79	50	51	73	66	56	48	73	74	81	81	92	88	78	73	73.8
	MIN	34	31	45	44	43	28	30	40	31	41	43	43	45	40	46	44	50	32	34	37	36	35	25	28	41	43	42	45	52	53	47	39.6
BISBEE	MAX	57	73	75	68	60	67	74	65	59	80	71	87	74	61		82	77	46	47	54	62	63	62	54	62	61	68	76	81	81	77	67.5
	MIN	44	37	46	47	45	35	39	43	30	42	45	34	45	34		36	45	32	32	40	34	35	27	26	33	41	35	41	50	51	56	39.3
BISMARCK WB CITY	MAX	68	64	82	77	70	62	67	71	72	69	83	81	88	73	72	83	79	75	43	49	59	69	56	56	71	70	78	73	79	86	79	71.1
	MIN	44	37	50	53	51	39	40	46	35	46	51	52	55	43	50	55	61	38	37	40	43	38	33	34	38	46	42	53	62	61	58	46.2
BISMARCK WB AIRPORT	MAX	64	83	76	67	62	66	72	74	70	84	83	89	74	74	83	81	78	59	47	59	72	58	53	71	64	77	74	82	89	80	77	72.3
	MIN	44	36	48	51	46	39	36	44	34	46	50	51	48	38	46	51	58	39	37	43	42	36	32	30	36	43	43	56	65	59	53	44.5
BOTTINEAU	MAX	73	72	72	69	67	66	74	72	61	77	72	80	87	67	82	80	75	56	43	57	60	56	44	49	64	64	66	79	81	85	74	68.5
	MIN	46	30	50	47	43	32	31	41	34		42	38	42	36	43	55	56	30	32	38	42	30	24	24	37	38	38	49	49	60	54	40.4
BOTTINEAU STATE PARK	MAX	60	75	70	65	61	66	73	66	60	71	75	86	70	60	80	77	70	51	50	56	58	51	45	48	65	66	66	81	85	86	70	66.5
	MIN	54	39	45	46	44	31	46	39	31	40	41	40	40	39	50	50	45	30	31	35	41	31	28	25	31	40	31	51	55	56	51	40.5
BOWBELLS RR STATION	MAX	67	61	79	72	68	64	70	75	65	68	82	81	90	71	73	83	81	54	46	43	62	60	53	47	61	66	65	71	85	84	80	68.6
	MIN	43	34	49	42	45	30	42	46	31	37	45	40	38	39	41	47	50	31	22	31		45	23	27	35	41	36	38	55		53	39.2
BOWMAN COURT HOUSE	MAX	56	77	76	67	57	62	66	72	73	78	77	85	84	74	81	75	86	75	49	71	71	58	45	68	73	76	82	85	82	81		72.1
	MIN	33	39	44	46	43	39	39	41	40	43	50	49	52	43	50	49	54	35	35	41	48	39	32	40	42	42	43	54	55	55	50	44.0
CARRINGTON	MAX	85	55	77	75	65	56	66	74	68	62	82	77	87	72	68	82	80	76	68	59	53	71	65	50	60	60	75	68	72	82	76	69.9
	MIN	43	38	43	45	44	33	39	42	32	35	43	39	43	33	40	49	55	37	33	33	42	38	30	31	33	43	31	38	53	58	55	40.4
CARSON 2 SW	MAX	61	90	80	66	63	65	70	77	70	81	83	86	74	73	84	80	78	62	47	65	70	58	50	70	70	80	80	87	86	77	70	72.7
	MIN	40	36	46	50	47	33	34	40	34	43	52	50	51	41	46	53	56	36	35	40	42	36	29	31	43	44	42	55	59	55	56	43.7
CAVALIER POWER PLANT	MAX	80	71	81	76	62	69	78	76	62	82	75	84	76	67	80	85	83	80	55	55	68	67	62	65	68	64	69	75	74	82	84	72.7
	MIN	50	42	48	45	43	36	42	45	30	42	47	39	30	38	45	63	54	34	37	34	36	31	25	41	42	32	47	52	59	59	41	41.2
CENTER	MAX	62	80	74	67	68	65	73	70	68	86	81	89	79	72	82	79	76	62	45	60	66	56	49	69	67	76	72	82	86	78	68	71.2
	MIN	48	32	45	47	31	39	36		40	48	49	51	37	40	49	59	35	35	38	37	34	29	35	36	41	44	46	59	57	50	42.4
COOPERSTOWN	MAX	72	74	80	73	59	64	72	70	59	81	73	84	84	67	80	81	79	76	46	52	72	68	51	55	62	73	69	72	84	79	79	70.6
	MIN	44	38	47	45	49	37	37	39	33	41	47	37	50	34	42	55	60	36	33	41	41	36	33	25	32	38	32	47	52	59	54	41.7
CROSBY	MAX	68	62	79	72	65	60	71	78	67	76	83	76	91	74	73	85	83	54	50	47	67	57	51	48	64	68	68	75	86	86	81	69.8
	MIN	41	33	36	48	49	30	37	44	37	40	47	47	41	44	45	53	50	32	32	36	42	39	26	29	38	43	42	39	53	57	53	41.4
DEVILS LAKE WB CITY	MAX	56	76	75	67	59	66	73	63	60	83	73	87	70	61	81	81	79	45	46	52	65	65	46	55	60	68	70	76	80	84	80	67.8
	MIN	44	39	47	48	45	34	45	40	33	44	43	38	41	35	42	51	45	35	34	42	45	39	32	29	36	41	36	47	56	62	57	42.1
DICKINSON CAA	MAX	60	81	71	57	65	67	72	74	73	83	84	88	73	74	83	79	75	44	47	71	66	56	48	73	71	80	78	88	89	76	69	71.5
	MIN	37	35	44	47	40	34	35	47	33	47	50	50	40	43	51	50	44	34	36	40	40	35	27	35	43	46	44	53	58	56	51	42.7
DICKINSON EXP STATION	MAX	63	61	83	72	59	67	68	72	74	74	83	83	89	74	75	83	78	77	49	51	69	66	58	49	73	71	81	80	89	89	76	72.1
	MIN	38	30	45	46	46	29	32	38	35	39	53	46	48	42	46	49	54	34	34	36	45	33	27	28	41	46	44	48	58	55	49	41.7
DRAKE	MAX	68	60	78	74	63	62	65	72	62	64	82	77	89	71	70	83	81	79	50	46	55	65	61	47	60	63	72	68	79	87	84	68.9
	MIN	45	38	46	47	47	35	43	36	32	40	49	48	48	38	44	50	57	35	35	35	37	39	29	31	43	46	36	43	55	61	55	42.7
DUNN CENTER	MAX	75	73	79	76	57	59	76	79	76	77	90	93	93	78	69	87	86	83	45	53	74	53	53	59	74	74	83	83	90	93	86	75.0
	MIN	40	28	36	42	47	29	37	38	29	37	53	41	45	38	45	45	51	34	34	36	48	36	25	28	34	41	39	43		59	45	39.4
DUNSEITH ST SANITARIUM	MAX	59	72	73	71	60	65	72	72	59	77	75	86	86	67	80	80	74	51	45	53	60	59	48	54	63	61	66	75	80	81	74	67.7
	MIN	41	38	50	47	38	34	32	46	30	39	45	37	44	35	43	51	49	30	30	37	41	31	28	21	39	46	36	48	53	58	55	40.7
ECKMAN	MAX	67	63	78	73	63	62	75	65	67	63	80	72	89	72	68	82	80	78	48	45	58	63	59	47	60	66	66	67	80	84	84	68.5
	MIN	45	33	43	40	45	31	41	32	40	43	39	43	38	40	50	53	34	34	35	42	43	33	27	26	38	44	34	45	55	60	54	40.5
EDGELEY EXP FARM	MAX	75	82	83	68	58	62	70	74	64	81	77	82	75	72	80	80	80	69	45	58	74	68	58	62	60	78	70	70	85	84	82	71.8
	MIN	44	32	49	47	49	39	34	43	32	38	45	45	55	33	40	42	44	40	35	41	43	42	34	27	33	35	37	48	60	57	54	41.8
EDMORE 1 W	MAX	60	72	72	70	60	65	73	65	59	80	72	84	76	60	80	81	78	61	47	51	65	65	46	54	62	62	66	74	76	82	80	67.7
	MIN	46	40	46	45	42	34	38	42	30	41	44	34	43	30	39	45	60	34	32	39	44	35	31	25	35	43	32	48	51	60	56	40.8
ELBOWOODS	MAX	69	84	74	64	66	66	75	69	68	89	83	80	82		84	82	80		60	66	64	60	65	70	70	78	71	84	80		68	73.3
	MIN	36	29	44	46	47	35	31	38	31	36	49	51	52			50	40	32	31	40	36	34	27	35	36	40	42	50	52	48	49	40.2
ELLENDALE NORMAL SCH	MAX	68	81	85	65	51	60	66	69	68	79	80	87	74	72	79	77	70	58	48	64	72	68	53	67	68	72	69	79	87	86	76	70.9
	MIN	46	39	47	50	40	39	38	41	34	37	49	48	45	37	45	49	47	42	36	40	43	40	37	28	40	41	42	50	59	60	52	43.3
EPPING	MAX	64	79	73	69	65	70	77	74	73	85	83	91	83	75	94	83	76	48	46	66	65	60	45	71	70	76	85	89	81	80	71	72.8
	MIN	35	33	48	46	46	29	42	41	35	52	47	49	46	47	48	55	47	32	35	38	47	40	22	34	41	38	51	59	54	59	53	43.5
FARGO WB AIRPORT	MAX	67	74	84	70	60	62	72	74	63	74	74	83	70	67	81	83	82	61	50	54	71	70	55	59	65	73	70	72	83	85	88	70.8
	MIN	47	42	52	46	50	42	37	40	39	42	49	37	47	35	45	57	63	40	36	41	48	40	35	28	35	41	35	49	63	60	60	44.5
FESSENDEN	MAX	57	78	75	71	60	56	72	70	62	82	75	86	82	68	80	80	77	65	46	53	66	62	54	60	60	72	66	77	82	78	68	69.0
	MIN	44	39	48	45	44	34	40	44	32	44	47	40	49	35	44	51	57	35	35	41	42	40	30	32	39	45	35	50	52	50	55	42.5
FORMAN	MAX	74	79	89	79	59	62	79	75	68	77	77	85	83	74	83	81	80	75	48	62	72	71	55	63	70	69	72	70	83	87	86	73.8
	MIN	46	39	52	51	52	49	36	39	37	39	49	44	40	36	42	51	56	41	36	42	49	39	41	28	36	39	40	49	64	67	58	44.7
FORT YATES	MAX	83	78		65	60	50	70	77	70	82	83	88	75	75	83	78	73	65	49	65	74	65	53	76	67	81	75	85	87	85	79	73.2
	MIN	45	52		51	49	37	34	47	35	41	45	52	53	36	47	47	59	45	38	44	49	36	36	30	41	41	42	56	62	59	62	45.7
FOXHOLM WILDLIFE REF	MAX	64	80	74	70	64	69	76	75	68	82	77	91	87	72	85	83	79	53	47	63	62	58	49	62	61	62	72	83	86	86	72	71.4
	MIN	46	32	44	47	44	33	41	47	30	45	45	37	48	35	44	47	49	34	33	41	44	40	28	31	40	42	33	49	54	57	53	41.7
FULLERTON	MAX	72	81	85	65	57	64	74	77	68	81	81	88	75	77	84	83	81	64	50	64	76	73	55	69	68	80	73	72	89	86	87	74.2
	MIN	44	38	48	47	50	40	37	41	34	38	47	45	55	35	47	55	59	41	37	42	43	39	36	28	35	39	41	50	61	59	54	44.0
GACKLE	MAX			79	74														85							62	74	68	69	82	79	80	
	MIN			35	50														33								38	37	45	60	60	55	
GARRISON	MAX	62	80	78		64	68	74	73	70	85	82	90		72	82	81	78	64	46	64	67	60	50	70	68	77	72	80	89	86	69	72.4
	MIN	43	34	49	48	47	33	40	42	33	42	47	46	45	38	44	51	60	35	35	41	40	37	29	34	41	47	39	52	56	60	60	43.5
GRAFTON STATE SCHOOL	MAX	82	70	82	77	58	66	76	76	61	81		84	83	62	81	84	84	81	53	53	70	69	50	58	67	63	69	74	73	84	86	71.9
	MIN	49	43	46	45	47	38	38	41	32	41	42	31	48	32	36	46	62	35	32	38	45	34	34	22	32	40	33	33	53	60	56	40.8
GRAND FORKS CAA	MAX	63	70	81	66	57	64	74	68	59	76	73	82	68	59	80	84	82	51	52	52	69	67	49	57	65	64	68	73	73	82	83	68.1
	MIN	45	42	46	45	46	40	41	41	33	46	41	32	40	31	39	51	51	37	34	42	47	39	30	28	33	40	32	49	55	61	58	41.8
GRAND FORKS UNIVERSITY	MAX	64	69	80	66	56	63	74	67	60	76	73	81	67	59	59	83	81	55	51	52	70	68	52	57	65	64	67	72	72	81	81	67.3
	MIN	46	41	48	47	46	40	42	42	35	46	44	33	42	34	42	50	55	38	34	42	47	40	33	30	35	42		48	55	61	59	43.2
GRANVILLE	MAX	62	81	74	71	67	68	75	68	65	83	77	90	80	70	82	81	83	60	45	58	61	50	61	65	71	69		81	85	85	74	71.4
	MIN	44	35	46	45	47	32	42	41	32	43	45	38	44	38	44	50	58	33	35	43	37	27	29	39		34		51	55	60	53	42.1
GRENORA	MAX	63	77	82	74	63	72	75	70	77	75	78	90	84	77	80	84	82		48	70	64	57	56	62	70	76	78	80	89	84	80	73.9
	MIN	38	32	48	47	48	41	39	49	38	53	49	48	43	46	48	50	42	32	31	40	46	37	24	33	36	41	43	53	60	60	52	43.5
HANKINSON RR STATION	MAX	85		72	90	73	61	63	65	73	66	74	76	85	72	68	81	82	82	61	48	64	73	67	57	63	65	75	71	74	88	85	72.0
	MIN	48		52	52	53	42	38	38	40	41	44	45	48	37	45	48	57		37	36	46	45	44	34	37	38	38	46	47	59	59	44.6
HANNAH	MAX	62	68	73	67	63	63	66	72	56	72	80	84	68	59	81	82	78	50	49	52	62	61	46	60	68	65	68	76	78	81	80	67.4
	MIN	42	43	46	45	42	32	44	43	30	45	43	33	42	31	41	46	48	32	31	41	41	34	29	25	32	44	34	45	50	60	58	40.4
HANSBORO	MAX	57	78	77	69	59	67	74	62	58	79	69	86		67	82	80	74	44	48	53	61	59	46	60	65	55	67		80	84	79	66.9
	MIN	42	38	46	43	47	32	41	39	28	43	43	34		32	39	45	44	31	31	39	40	35	28	25	33	45	32		49	60	56	39.3
HETTINGER	MAX	68	79	74	66	65	65	68	77	76	81	84	84	78	74	82	75	75	67	50	73	70	70	49	74	76	83	79	90	89	85	80	74.4
	MIN	46	32	43	46	45	31	33	37	36	43	44	52	40	43	49	49	36	36	35	41	39	35	32	29	30	43	41	38	55	55	55	40.9
HILLSBORO	MAX	80	72	79	67	55	62	72	70	61	65	71	82	72	63	80	83	81	71	51	52	73	70	52	60	65	72	69	73	78	83	82	69.9
	MIN	49	43	47	48	50	41	38	42	43	41	47	43	50	36	38	48	62	40	35	42	46	48	39	28	35	40	34	42	59	62	56	44.3

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JAMESTOWN CAA	MAX	60	79	82	63	54	64	72	71	65	82	80	87	74	68	80	81	78	57	44	52	74	68	53	59	65	75	69	70	86	77	82	70.
	MIN	45	39	48	48	44	38	36	40	31	39	46	42	44	32	39	56	56	38	35	42	42	39	30	29	31	34	36	49	59	57	53	41.
JAMESTOWN STATE HOSP	MAX	68	81	81	72	55	64	73	71	64	83	78	88	82	70	82	81	80	69	45	54	73	69	53	61	64	75	69	67	86	79	85	71
	MIN	44	41	50	49	50	40	37	42	33	39	48	44	53	36	43	52	60	38	35	42	45	40	36	29	34	35	36	50	60	59	54	43.
KENMARE	MAX	70	64	78	74	72	67	72	80	66	68	85	75	90	78	75	86	80	62	46	46	68	63	53	50	63	68	70	71	83	85	85	70
	MIN	44	37	48	50	47	32	44	44	32	40	47	40	42	37	43	48	51	31	32	35	42	39	27	32	36	44	35	47	53	59	55	41.
KENSAL WILDLIFE REFUGE	MAX	68	75	75	74	55	64	67	67	60	82	73	85	70	68	80	73	73	70	46	51	66	50	46	59	60	63	67	67	71	69	70	66.
	MIN	43	38	45	43	46	32	35	33	32	39	42	40	47	35	40	47	57	36	34	41	38	35	30	24	29	35	33	49	58	58	58	40
LA MOURE	MAX	74	78	80	70	55	62	68	79	66	80	78	85	76	71	79	78		46	46	60	72	68	58	63	65	76	75	71	78	80	83	70
	MIN	44	37	50	48	50	38	35	37	35	39	47	42	55	35	44	50	42	41	35	42	43	37	36	26	33	34	37	49	59	60	56	42
LANGDON EXP FARM	MAX	65	72	77	72	64	66	75	69	58	80	75	84	80	60	80	82	80	73	50	49	63	59	47	56	64	62	66	74	74	81	81	69.
	MIN	45	36	47	48	40	29	36	42	27	40	42	30	39	27	40	44	59	32	30	38	40	33	27	24	33	42	31	48	49	59	56	39.
LARIMORE	MAX	72	71	81	66	56	64	74	68	60	79	72	83	74	58	79	82	81		48	51	70	68	50	55	65	67	69	74	72	81	80	69
	MIN	48	43	45	51	49	40	41	45	33	42	49	35	49	32	39	48	62	37	34	42	46	37	34	28	36	42	36	46	51	63	56	43.
LEEDS	MAX	57	77	76	71	63	69	75	74	64	85	77	89	81	68	85	84	82	62	45	54	66	63	48	60	64	72	77	77	74	85	77	71.
	MIN	54	37	46	46	44	30	43	45	33	44	44	49	46	35	45	49	59	33	33	40	39	38	29	27	33	46	35	47	53	63	56	42.
LINTON	MAX	63	82	79	64	60	65	73	77	72	84	84	90	81	75	84	81	81	63	45	65	73	64	60	69	67	81	73	85	88	80	80	73.
	MIN	45	32	59	53	49	38	32	42	42	44	51	54	57	43	53	55	57	42	38	43	48	35	38	28	38	44	43	53	62	60	54	46.
MADDOCK AGR SCHOOL	MAX	57	77	75	70	64	66	73	70	61	83	77	87	83	69	82	82	80	61	45	54	68	64	48	58	62	73	68	77	82	83	80	70.
	MIN	44	38	44	43	41	30	35	39	32	43	44	36	48	32	41	50	59	35	33	40	42	38	29	25	33	43	35	49	56	60	53	41.
MANDAN EXP STATION	MAX	59	63	82	74	67	60	66	72	71	69	83	80	88	70	73	82	82	77	42	46	60	69	57	50	71	64	76	73	82	88	79	70.
	MIN	43	37	48	49	50	38	40	43	35	42	50	49	54	39	45	52	58	37	35	38	43	37	31	32	37	42	41	49	61	57	53	44.
MANDAN FT LINCOLN PARK	MAX	66	84	78	74	65	69	79	74	70	84	82	90	80	76	84	80	77	66	47	64	71	61	53	73	71	79	77	81	90	81	83	74.
	MIN	43	45	45	43	49	38	36	45	34	41	50	49	53	38	45	50	59	37	36	41	41	37	31	28	38	42	35	54	63	57	53	43.
MARMARTH	MAX	62	85	75	66	68	67	73	76	75	76	85	90	77	77	80	77	80	67	63	72	68	63	47	72	72	81	82	87	86	81	75	74.
	MIN	34	32	45	45		32	34	36	35	46	40	45	50	45	52	50	53	47	37	40	48	37	35	31	45	47	45	53	55	58	53	43.
MAX	MAX	72	66	80	74	62	60	68	72	67	68	85	78	90	72	76	82	81	76	44	46	60	64	60	48	56	64	75	70	76	88	84	69.
	MIN	42	35	47	49	47	36	38	46	33	36	50	47	51	40	44	54	59	34	33	34	40	37	27	30	41	46	39	48	54	55	54	42.
MAYVILLE	MAX	80	73	81	77	55	64	72	70	66	78	75	82	82	67	80	84	81	79	50	52	72	69	52	58	66	71				83	81	71.
	MIN	48	43	45	48	50	41	40	43	34	44	48	35	51	34	38	47	61	40	34	42	47	39	37	24	34	39				65	59	43.
MC CLUSKY	MAX	56	65	78	72	63	62	64	73	67	70	83	78	88	72	82	75	80	79	53	58	62	62	58	53	67	63	74	72	77	87	87	70.
	MIN			40	44	48	37	39	43	31	40	47	46	52	39	53	46	37	34	35	38	37	36	29	30	40	42	36	49	60	60	54	40.
MC HENRY 5 N	MAX	64	77	78	67	56	63	73	67	60	83	73	85	79	62	81	80	77	72	46	52	69	66	49	56	59	73	68	74	79	79	79	69.
	MIN	44	37	46	45	45	36	38	41	31	40	47	35	46	30	41	53	60	35	33	41	44	35	31	24	34	40	31	48	56	60	54	41.
MC LEOD 3 E	MAX	75	75	87	70	61		68	76	65	79	79	85	76	79	81	82	78	74	65	70	71	72	70	64	65	74	73	70	82	90	89	74.
	MIN	46	41	46	40	53	39	32	40	36	42	48	45	56	39	50	63	60	40	35	40	46	42	46	29	35	39	34	49	58	60	57	44.
MEDORA STATE PARK	MAX	78	85	83	66	64	67	72	76	76	84	85	90	86				70	64	68	62	72	55	58	45	76	75	83	84	89	82		73.
	MIN	36	30				33						47						36	37				30	30	36	48		48				
MEDORA T R N M P	MAX	63	84	77	70	64	68	75	75	77	85	84	91	86	78	82	78	78	72	51	70	68	59	50	74	74	81	84	90	90	80	76	75
	MIN	39	27	42	47	48	29	30	34	40	45	49	45	45	39	51		51	36	35	41	42	33	30	32	44	47	46	47	57	55	50	41
MINOT CAA	MAX	61	80	74	60	62	67	74	70	67	84	77	91	73	71	83	79	76	46	45	59	63	58	46	61	64	71	70	82	86	85	70	69.
	MIN	46	36	48	48	43	32	45	41	32	48	49	40	47	39	49	50	38	34	36	42	41	38	29	33	41	44	37	51	50	62	60	42.
MINOT EXP FARM	MAX	61	79	73	68	62	66	74	71	66	83	76	90	82	71	83	81	78	51	45	59	62	58	52	62	65	72	71	80	86	85	70	70.
	MIN	44	35	47	48	45	35	42	42	30	47	48	42	49	38	49	54	51	33	35	41	45	39	28	31	41	48	34	49	53	60	56	43.
MOHALL	MAX	63	79	73	66	66	69	76	65	65	82	72	90	75	69	83	79	68	58	49	61	64	60	65	68	68	75	67	82	85	86	71	70.
	MIN	45	34	47	45	43	31	43	45	34	42	45	38	42	38	41	49	40	33	32	41	47	35	35	28	35	48	36	51	53	58	55	41.
MOTT RR STATION	MAX	61	80	79	77	69	68	72	75	71	81	82	86	79	71	81	78	73	59	49	70	68	61	52	73	72	73	77	91	89	83	78	73.
	MIN	39	32	37	38	43	39	32	38	39	43	44	47	49	40	47	48	39	38	35	42	48	35	30	29	43	40	43	55	58	54	50	41.
MUNICH 4 SW	MAX	57	69	73	64	58	64	72	64	58	79	71	84	73	59	80	81	77	54	48	50	64	62	45	55	61	58	65	74	78	82	77	66.
	MIN	45	39	47	45	44	31	38	44	31	41	44	34	43	32	39	46	46	30	31	40	40	34	29	26	29	42	33	49	51	60	57	40.
NAPOLEON 2 SE	MAX	59	80	78	70	55	62	69	75	70	80	78	85	81	70	79	77	77	65	45	59	70	61	50	68	64	74	69	74	82	77	75	70.
	MIN	42	37	52	50	47	34	37	44	33	39	46	47	52	36	46	38	55	38	35	40	42	38	34	30	35	39	36	44	61	59	52	42.
NEW ENGLAND	MAX	64	83	80	68	66	70	74	78	75	84	84	91	81	74	84	79	77	64	52	72	73	64	55	76	76	83	80	82	92	80	79	75.
	MIN	38	31	44	48	47	32	36	38	35	45	48	47	51	39	46	48	55	34	36	40	46	35	29	34	46	44	44	46	49	54	53	42.
NEW SALEM 1 S	MAX	62	81	73	64	64	68	71	72	71	83	82	73	87	75	82	73	77	58	45	67	60	63	51	65	72	74	67	75	85	77	75	70.
	MIN	39	37	39	37	45	38	39	43	30	46	41	39	44	38	44	39	42	35	34	39	38	30	31	44	43	44	48	50	60	52	52	41.
OAKES WATER WORKS	MAX	85	52	81	86	64	58	62	69	76	67	79	77	87	73	75	82	83	80	49	46	64	74	69	58	63	65	76	74	71	84	87	71.
	MIN	46	38	43	52	52	39	35	38	37	38	46	47	54	38	45	52	54	37	36	36	45	40	39	30	36	37	42	46	55	62	58	43.
PARK RIVER	MAX	75	71	75	75	59	67	75	74	59	83	80	83	82	59	80	84	83	79	50	52	69	68	50	55	65	64	68	72	74	83	84	70.
	MIN	49	43	47	49	48	39	46	50	32	43	43	32	50	31	43	47	63	35	34	38	45	37	33	28	35	43	35	46	51	61	59	43.
PARSHALL	MAX	63	80	75	75	63	66	74	72	69	84	80	90	85	72	81	80	76	53	44	64	62	57	49	68	65	74	71	80	86	81	68	71.
	MIN	42	29	44	43	46	29	34	38	32	45	44	45	47	41	46	51	50	32	35	40	45	33	26	31	35	46	37	50	53	55	46	41.
PEMBINA CAA	MAX	65	70	80	66	60	66	76	63	52	74	70	82	64	60	81	80	81	45	54	52	67	64	48	61	65	56	66	74	71	80	84	67.
	MIN	47	43	52	43	44	34	35	38	31	40	38	30	37	28	34	49	44	36	34	38	40	32	32	21	30	36	35	47	54	60	60	39.
PETERSBURG	MAX	64	70	77	64	56	64	72	63	59	80	69	82	74	67	79	82	79	66	47	50	67	67	48	53	62	63	68	72	76	81	84	67.
	MIN	46	40	47	46	47	35	38	41	31	41	45	46	48	32	41	50	62	34	32	41	44	35	31	32	35	43	36	46	52	62	55	42.
PETTIBONE	MAX	57	79	76	67	55	65	72	70	65	82	78	87	78	68	82	80	78	69	51	54	71	63	49	69	66	76	71	76	86	79	73	70.
	MIN	43	38	50	45	47	35	35	43	32	38	47	44	49	35	42	51	56	35	34	40	35	35	31	27	33	38	35	40	56	54	52	41.
PORTAL	MAX	69	62	79	71	69	65	71	78	66	72	82	75	91	73	73	85	81	52	51	46	67	60	51	48	63	68	68	74	86	85	77	69.
	MIN	42	35	49	44	42	29	40	44	33	45	47	42	42	40	44	48	49	30	27	37	45	36	23	29	36	46	37	49	55	58	53	41.
RICHARDTON ABBEY	MAX	61	81	73	63	63	69	73	72	71	84	84	89	74	72	84	77	75	60	47	66	65	56	49	72	67	79	76	89	90	76	71	71.
	MIN	40	36	41	46	47	38	38	44	35	47	53	48	48	43	48	53	55	33	34	38	47	37	27	30	45	44	43	52	59	57	52	43.
RIVERDALE	MAX	64	62	80	73	62	62	67	74	67	67	84	78	86	74	72	82	79	77	44	45	61	67	52	49	69	65	75	74	80	87	82	69.
	MIN	43	34	40	47	47	36	41	46	31	43	51	46	49	39	45	53	58	33	33	35	41	38	29	34	38	44	39	48	55	55	54	42.
ROLLA	MAX	57	71	73	66	59	64	72	66	57	79	69	85	73	59	79	79	73	40	45	51	62	59	43	58	60	56	65	76	78	82	76	65.
	MIN	44	40	47	46	42	37	41	43	29	40	47	36	46	34	44	45	38	31	32	50	42	38	29	27	34	46	35	46	52	58	58	41.
RUGBY 1 N	MAX	62	77	77	73	62	67	74	72	62	83	83	88	87	69	83	82	80	65	45	54	63	64	49	59	64	69	68	78	84	84	73	71.
	MIN	45	37	50	48	48	37	41	42	36	44	41	40	47	39	45	52	55	35	34	41	40	37	29	30	38	48	38	48	51	62	57	43.
SANISH	MAX	62	62	80	73	56	65	68	75	67	72	85	82	92	75	82	72	41	41	45	46	65	60	56	50	70	69	72	69	82	84	83	67.
	MIN	46	28	31	46	48	30	32	37	32	35	47	46	47	44	46	34	34	33	35	42	42	34	28	29	37	41	39	45	53	62	48	39.
SHARON	MAX	62	71	82	62	54	63	70	65	60	72	72	80	77	61	78	80	78	65	46	50	73	69	52	54	63	61	68	71	80	78	78	67.
	MIN	46	39	49	50	49	38	41	42	33	39	47	38	50	35	34	56	60	36	33	41	43	36	32	27	35	41	44		53	60	55	42.
STANLEY	MAX	67	79	71	64	63	69	75	65	70	84	78	90	74	76	85	80	70	43	43	64	59	53	46	65	65	72	72	81	85	83	72	69.
	MIN	38	29	42	46	44	28	37	43	28	42	44	39	43	37	44	48	35	28	30	36	36	31	22	26	36	41	32	46	50	53	53	38.
STEELE	MAX	61	80	77	66	58	65	75	70	68	82	84	86	70	73	82	81	79	60	48	57	72	70	51	71	65	76	69	71	83	81	75	71.
	MIN	42	32	51	45	47	36	43	41	39	40	45	46	43	34	41	51	56	44	35	39	45	35	31	28	35	39	39	51	60	56	53	42.
TOWNER	MAX	62	78	74	64	62	68	67	75	67	84	77	90	84	70	84	83	82	57	45	56	63	63	53	61	67	72	70	82	81	88	78	71.
	MIN	45	36	46	47	45	35	41	42	33	44	46	40	45	38	44	52	55	33	35	42	42	39	27	27	38	45	35	50	55	55	51	42.
TURTLE LAKE	MAX	60	79	73	65	60	65	73	70	67	83	79	90	84	69	83	81	78	69	50	59	68	60	50	69	65	76	71	80	86	83	74	71.
	MIN	43	36	50	48	48	34	40	41	31	43	48	47	50	37	44	54	60	35	35	40	38	40	28	33	41	45	40	52	58	59	53	43.
UNDERWOOD 12 W	MAX	62	80	75	64	65	69	75	71	70	84	81	89	78	75	83	82	79	69	46	64	68	63	50	70	70	76	74	82	89	80	69	72.
	MIN	43	33	45	47	49	31	40	40	32	50	45	46	50	38	43	50	60	35	36	38	39	35	31	37	36	43	41	53	56	56	51	42.
UPHAM WILDLIFE REFUGE	MAX	64	78	79	75	61	70	77	76	66	84	77	91	90	69	85	82	79	60	48	60	64	64	51	62	67	70	70	83	88	88	77	72.
	MIN		34	46	44	45	31	37	43	34	44	42	39	42	38	41	49	59	33	34	40	43	34	25	25	37	42	34	51	53	60	54	41.
VALLEY CITY	MAX	75	76	83	80	57	63	72	72	63	80	80	85	83	73	84	82	80	76	47	53	73	70	56	58	65	75	76	71	83	81	84	72.
	MIN	45	39	50	49	53	39	35	38	35	40	49	44	53	38	39	50	60	38	35	42	45	48	35	32	32	37	38	49	58	59	56	43.
VAN HOOK	MAX	63	81	77	66	65	67	75	72	71	87	83	92	85	75	83	83	75	51	44	64	61	56	49	70	66	75	74	82	86	85	76	72.
	MIN	43	32	45	47	47	31	39	40	31	46	47	45	50	42	45	52	51	33	37	41	45	37	24	35	39	47	39	52	52	60	49	42.
VELVA	MAX	61	82	75	70	63	69	77	71	70	84	76	91	80	71	83	80	81	62	46	58	63	58	49	62	64	72	71	80	87	82	69	71.
	MIN	45	38	47	48	46	32	46	44	32	35	45	43	48	40	48	52	62	34	36	42	41	41	30	31	39	46	35	51	56	62	55	43.
WAHPETON STATE SCHOOL	MAX	82	76	92	84	73	64	69	75	67	72	75	82	82	72	80	82	83	78	49	62	71	71	69	61	67	72	73	73	84	85	86	74.
	MIN	47	42	50	50	54	42	36	40	37	42	50	42	57	35	46	56	62	41	39	41	50	40	43	31	35	36	36	47	47	62	59	45.
WASHBURN	MAX	62	80	77	71	71	66	73	71	67	84	80	89	82	69	81	79	75	68	48	60	68	61	50	70	67	75	71	79	85	81	73	72.
	MIN	44	38	51	51	50	36	40	40	34	46	50	50	53	41	49	55	60	36	36	41	41	39	31	36	41	46	45	56	62	60	55	45.
WATFORD CITY	MAX	64	82	72	61	64	68	76	72	76	86	85	93	79	75	85	81	77	47	49	69	60	54	51	72	70	76	80	85	87	79	75	72.
	MIN	38	33	49	48	48	31	39	41	39	52	55	59	48	44	52	55	46	33	36	39	49	40	26	36	42	52	44	54	59	58	51	45.

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
WESTHOPE	MAX	63	78	75	68	64	70	78	68	63	80	73	92	80	65	85	81	70	58	47	58	63	58	50	62	71	67	63	83	85	86	76	70.3
	MIN	45	36	48	42	44	34	40	40	35	45	47	40	45	40	45	55	38	33	33	41	46	35	26	28	40	39	41	52	56	62	56	42.2
WILLISTON WB CITY	MAX	63	79	70	61	64	68	75	70	76	85	81	91	74	76	83	82	73	46	48	64	59	52	49	70	70	73	78	86	87	75	71	70.9
	MIN	41	36	50	52	43	33	45	41	41	55	55	54	45	50	52	61	38	34	38	41	46	35	28	40	42	50	45	56	62	59	56	45.9
WILLOW CITY	MAX	62	77	74	65	62	68	75	65	68	81	72	89	74	65	82	81	77	47	45	55	65	63	48	60	66	70	68	79	83	85	77	69.3
	MIN	44	48	48	46	47	35	37	44	31	44	48	34	45	35	38	49	46	34	34	40	41	36	28	28	33	46	34	50	52	60	55	41.6
WILTON RR STATION	MAX	57	57	78	87	62	60	64		70	65	81	78	87	70		79	77	75	40	46	57	67	52	48	67	61	74	69	77	84	80	67.9
	MIN	42	37	46	51	49	41	41		31	49	50	51	51	46		55	55	36	34	35	38	37	28	30	38	41	39	45	57	56	51	43.4
WISHEK	MAX		77	80	60	53	63	72	74	66	79	80	85	72	73	79	78	75	46	46	62	70	64	56	68	65	79	69		83	77	70.0
	MIN		35	47	48	48	35	30	41	33	38	43	50	55	38	45	46	57	39	35	36	43	36	38	28	35	35	41	42		52	50	41.3

EVAPORATION AND WIND MOVEMENT

Table 6

Station		Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	Departure from normal
DICKINSON EXP STATION	EVAP	.130	.260	.170	.280	.120	.190	.170	.170	.280	.260	.180	.220	.420	.150	.220	.130	.200	.160	.060	.080	.100	.210	.120	.200	.180	.180	.260	.280	.260	.200	.160	6.000	
	WIND	190	180	140	160	180	140	60	80	165	165	90	80	150	70	180	100	80	170	105	148	80	115	125	140	145	115	145	215	190	90	70	4063	
MANDAN EXP STATION	EVAP	.140	.200	.170	.230	.180	.100	.130	.160	.280	.170	.160	.220	.260	.220	.170	.150	.180	.210	.140	.090	.050	.160	.100	.180	.100	.060	.180	.240	.150	.160	.150	5.090	
	WIND	203	177	103	126	188	152	33	62	182	88	82	125	145	96	89	78	193	180	146	116	45	131	125	128	93	62	132	194	220	115	48	3857	

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

- \- No record.
- \+ And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Precipitation measured at 6-hourly intervals, no recording gage.
- B Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- S Storage precipitation station. Precipitation measurements, made at irregular intervals, will be published in the June issue of this publication.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly subscription includes Annual Summary) Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		HA	ARTHUR J HAUMAN	3
ALMONT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 5
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	S A BURY	3
AMIOON	0209	SLOPE	1	46 29	103 19	2908	5P	5P	STANLEY W BALE	2 3 5
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 56	97 30	960	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	99 22	2025	BA	BA	SOO LINE AGENT	2 3 4 5
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR RR STATION	0492	MC HENRY	12	47 57	100 32			MID	C G THOMSON	3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F BODGIN	2 3 5
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	99 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	4	46 52	103 11	2592	7P	7P	CARL INDBEGAARD	2 3 5
BEULAH	0766	MERCER	6	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISDEE	0796	TOWNER	2	48 37	99 22	1601	6P	6P	ROBERT L PETERSON	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1670	10A	10A	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1650	MID	MID	U S WEATHER BUREAU	2 3 4 5
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	2 3 5
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	D H HOOK	2 3 4 5
BREIEN	1052	MORTON	1	46 23	100 57	1719		8A	MELVIN NELSON	2 3
BUTTE	1225	MC LEAN	12	47 50	100 40	1740	6P	6P	M O ANDERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J M EVENS	2 3 5
CASSELTON	1400	CASS	10	46 54	97 13	934	5P	5P	WALLACE G SWEENEY	2 3 5
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5
COGSWELL 6 W	1525	SARGENT	5	46 07	97 55	1291		7A	JOHN WASDAHL	3
COLGATE	1686	STEELE	10	47 14	97 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	B J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICHOLS	2 3 5
DAWSON	2018	KIDDER	8	46 52	99 45	1730		MID	LOUIS J HILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5
DICKINSON CAA	2183	STARK	4	46 48	102 48	2587	MID	MID	CAA	2 3 4 5
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULDS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMMARS	2 3 5
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	H R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 5
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELEOWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	R W CASE	2 3 5
ELLENDALE NORMAL SCH	2605	DICKEY	5	46 00	98 31	1457	8P	8P	J E DEMMER	2 3 5
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 3 5
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	D S WEATHER BUREAU	2 3 4 5
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5
FORT YATES	3207	SIOUX	8	46 05	100 38	1670	6P	6P	P J JACOBSON	2 3 5
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	D E WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	MID	MID	MAE H VORACHEK	2 3 4 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	NICK GAUER	3 4
GOLVA	3556	GOLDEN VALLEY	7	46 44	103 59	2781	7P	6A	CHESTER K PUDA	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5
GRAND FORKS CAA	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	CAA	2 3 4 5
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN KISSE	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	HOMER A HENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1568	6P	6P	A E PRIOR	2 3 5
RANSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W B DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	H J REYNOLDS	3
HAZELTON RR STATION	4083	EMMONS	8	46 29	100 17	1978		MID	EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAMS	3	46 00	102 38	2675	6P	6P	EDGAR MARTIN	2 3 5
HILLSBORO	4203	TRAILL	10	47 24	97 04	901	6P	6P	ALFRED JAENKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS H RUTH BUCHWITZ	3 4
JAMESTOWN CAA	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	CAA	2 3 4 5
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	98 52	1440	7P	7P	D S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAU	12	48 39	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLADGSON	2 3 5
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	JESSE P PHILLIPS	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	6P	6P	BENSON CYAGR SCHOOL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	8P	6P	S P CRANE	2 3 5
MAX	5638	MC LEAN	8	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5660	TRAILL	10	47 30	97 19	975	6P	6P	H A RAGAZ	2 3 5
MC CLUSKY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A HAMILTON	2 3 5
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MID	HARTVIN H HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	98 35	1509	8P	8P	C E BLASKY	2 3 5
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	H B KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	46 53	99 19			6P	RUDOLPH GRAF	3
MEDORA STATE PARK	5808	DILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	2 3 5
MEOORA TRNMP	5813	BILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5
MILNOR	5933	SARGENT	10	48 16	97 28	1117	6P	6P	E W WILSON	CLOSED
MINOT CAA	5988	WARD	12	48 15	101 17	1724	MID	MID	CAA	2 3 4 5
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1639	9P	9P	IVER JOHNSON	2 3 5
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	ROLF HANSON	3
MOTT RR STATION	6155	HETTINGER	1	46 22	102 20	2440	6P	6P	NORTHERN PAC AGT	2 3 4 5
MUNICR 4 SW	6185	CAVALIER	2	48 38	98 53	1598	7P	7P	RAROLD FELDNER	2 3 5
NAPOLEON 2 SE	6255	LOGAN	8	46 28	99 43	1955	7P	7P	GLADYS J PETERSON	2 3 5
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S RATCH	2 3 5
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550	6P	6P	RICHARD STEINEACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 5
OAKES WATER WORKS	6620	DICKEY	5	46 08	98 05	1318	8A	8A	C M HAGEN	2 3 4 5
OMEMEE 3 SE	6703	BOTTINEAU	12	48 39	100 20			MID	ARTHUR E VOLLMER	3 4
PARK RIVER	6857	WALSH	10	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1928	6P	6P	C E SHUBERT	2 3 5
PEMBINA CAA	6947	PEMBINA	10	48 57	97 15	792	MID	MID	CAA	2 3 4 5
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5
PETTIBONE	7047	KIDDER	8	47 07	99 31	1856	7P	7P	L H DETHLOFF	2 3 5
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	7P	7P	ASSUMPTION ABBEY	2 3 5
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO H FAGERLUND	2 3 5
RUGBY 1 N	7704	PIERCE	12	48 23	100 00	1542	9P	9P	BOYD C RAWK	2 3 5
RYDER	7749	WARD	8	47 55	101 40	2108		9A	S C SCHELLENBAUM	3
SANISE	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	H J RUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	99 00	1585		MID	CLARENCE J OLSON	3 4
SEARING	7944	MC KENZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE	7952	SIOUX	8	46 02	100 56	2183		7P	J H SMITH	3
SHARON	7986	STEELE	10	47 36	97 54	1516	8P	8P	HUGH LYON	2 3 5
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647		6P	U S CUSTOMS SERV	3
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST D RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S RAAS	2 3 5
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1936		8P	AOAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	8P	MRS F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962		MID	NEWTON O JONES	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCE	2 3 5
WALHALLA	9155	PEMBINA	9	48 56	97 55	966		7P	PETER PAULUS	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JONATHAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 35	1877	MID	MID	U S WEATHER BUREAU	2 3 4 5
WILLOW CITY	9445	BOTTINEAU	12	48 36	100 17	1471	8P	RP	O M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISHEK	9515	MC INTOSH	8	46 16	99 34	2010	8A	8A	H M LARSON	2 3 5

‡ DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See reference notes following Table 6.

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Nat. Hist.

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

OCT 12 1949

CLIMATOLOGICAL DATA

NORTH DAKOTA

JUNE 1949

Volume LVIII No. 6

NAT. HIST.

CHICAGO: 1949

NORTH DAKOTA - JUNE 1949

F. J. Bavendick, Section Director - Bismarck

GENERAL SUMMARY

June was marked by its wide variations in rainfall. Although the State average was below normal, the north central portion was considerably above normal. The southwest suffered the most from lack of rainfall. Crop conditions thus varied widely being the best in the north and the poorest in the southwest and quite spotty elsewhere. Temperatures averaged near the seasonal normal.

Rainfall over the State was considerably below normal. The Eastern Division averaged .88 inch below normal, the Middle Division .42 inch below, and the Western Division 1.36 inches below normal. The north central section was the only large area receiving above normal precipitation. There the departures ranged from only slightly above to an extreme of 2.51 inches above normal at Eckman. Scattered small areas in the southeast also reported above normal rainfall. The remainder of the State was generally deficient and severe drought conditions prevailed in the southwest. In the southwest rainfall averaged over 2 inches below normal with an extreme departure of 2.89 inches below at Beach. The rainfall was distributed quite well throughout the month over most areas of the State except the southwest which received most of its moisture after the middle of the month. Several stations in the north central section received over 3 inches of rain in a single day on the 1st. Upham reported the largest amount with a total of 3.74 inches on that day. Over one quarter of the stations reporting had some hail, the amounts ranging from mostly light to some quite severe.

Temperatures over the State averaged slightly above the seasonal normal. The Eastern Division was 1.5 degrees above, the Middle was 0.3 degree above, and the Western Division was 0.4 degree above normal. Temperatures of 100 degrees or higher were recorded at several stations in the southwest on the 12th and again on the 29th. Temperatures in the low 30's were recorded at nearly all stations in the Eastern Division on the 7th with Arvilla and Pembina reporting freezing temperatures.

Crops made excellent progress in the north central portion of the State and generally fair to good progress in most other areas. Severe drought conditions prevailed in the southwest most of the month except for a few widely scattered local areas. Indications at many places were less than half of normal yields of small grains. The rains that did come near the end of the month were generally insufficient and were too late to revive the badly damaged crops. Pastures and hay crops in the southwest section were getting to be very critical and because of the poor feed prospect large numbers of livestock were marketed - a condition that had not existed for many years. Over the remainder of the State crops were quite spotty with indications for some good and some poor yields. The north central portion with its abundant rainfall had the best prospects for an excellent crop and there was a luxuriant growth of all grains. Wild oats continued to be a problem over many areas and more fields were plowed down to be reseeded to flax or left fallow. Other weeds made rapid growth and considerable spraying was done to control them. Plant lice also was quite a problem in the southeast with many fields severely damaged. This menace appeared to spread northward. Some grasshoppers were reported in the northwest although they haven't become a serious threat. Numerous hail and windstorms occurred throughout the month to also record its toll of damage to crops with many farmers suffering near total loss.

Nearly all sections of the State had wind storms at some time during the month which damaged buildings - in some cases destroying barns and granaries. Hail caused considerable damage to window, cars, and other property. June 29th was a day with many storms. Among other stations, Almont, Harvey, Leeds, McHenry, Munich, Petersburg reported high winds causing damage to buildings andin some cases destroying barns, trees, and other property. Upham reported a severe hailstorm on the 11th. No lives were reported lost in these storms.

TEMPERATURE

The mean temperature for the State was 63.7°, which is 0.9° above normal for the month. The monthly mean temperatures ranged from 68.0° at Wahpeton to 58.8° at Bottineau. The highest temperature recorded in the State was 104° at Dunn Center, on the 12th, and the lowest 26° at Dickinson Experimental Station on the 28th.

PRECIPITATION

The average precipitation for the State was 2.64 inches, which is 0.87 inch below normal for June. The total amounts recorded at various stations ranged from 5.98 inches at Upham to 0.18 inch at Trotters. The heaviest rainfall reported in any one day was 3.74 inches at Upham on the 1st.

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin Series, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes–inches				Wind speed–m.p.h.				Relative humidity averages–percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 p. E.S.T.	Percent of possible	
BISMARCK AIRPORT	30.33	18	29.40	25	11.1	43	NE	23	79	80	45	45	75	77
DEVILS LAKE	30.34	18	29.31	1	8.5	35	SW	29	-	-	-	-	72	122
FARGO AIRPORT	30.28	18	29.43	25	12.5	44	S	24	77	83	55	49	67	78
WILLISTON	30.32	18	29.35	25	8.0	38	W	29	-	-	-	-	79	107

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	60.5	94	28	3.35	0	8
1893	67.4	103	33	3.38	0	9
1894	68.8	103	25	3.44	0	7
1895	59.7	97	29	4.67	0	12
1898	65.6	97	37	4.02	0	9
1897	61.7	109	20	3.75	0	9
1898	62.6	105	26	3.19	0	9
1899	62.2	105	30	3.81	0	10
1900	66.9	109	27	1.39	0	5
1901	61.6	95	22	6.14	0	15
1902	58.0	97	28	3.65	0	11
1903	62.4	96	27	1.44	0	4
1904	61.4	100	30	5.56	0	11
1905	59.7	97	32	4.33	0	12
1906	62.0	95	32	4.78	0	11
1907	61.9	95	25	2.93	0	10
1908	60.4	93	27	3.41	0	10
1909	62.9	98	28	3.45	0	10
1910	67.3	111	19	2.04	0	6
1911	66.9	108	25	3.05	0	9
1912	61.8	104	28	2.01	0	6
1913	65.8	101	27	2.45	0	8
1914	62.2	93	29	6.48	0	13
1915	56.7	94	20	4.81	0	12
1916	58.0	92	29	3.87	0	11
1917	59.7	103	19	2.07	0	8
1918	63.3	102	27	1.58	0	7
1919	67.2	108	22	2.21	0	5
1920	62.2	98	26	3.53	0	11
1921	68.2	108	30	3.62	0	9
1922	63.5	108	30	3.79	9	9
1923	66.1	100	30	3.94	0	8
1924	58.6	89	26	4.04	0	11
1925	61.5	98	30	6.00	0	14
1926	60.7	104	22	2.61	0	9
1927	61.2	99	22	2.82	0	9
1928	58.2	92	24	4.89	0	12
1929	61.4	98	21	1.44	0	7
1930	63.3	96	30	3.09	0	10
1931	68.4	110	27	2.35	0	8
1932	67.0	98	34	3.92	0	10
1933	70.7	110	33	1.77	0	7
1934	64.3	100	29	3.04	0	11
1935	60.3	99	25	3.04	T	10
1936	66.4	110	28	1.34	0	6
1937	63.5	109	25	4.03	T	7
1938	64.2	99	27	2.73	0	9
1939	60.1	99	29	4.59	0	12
1940	63.1	102	27	2.24	0	9
1941	64.2	97	32	5.54	0	12
1942	60.1	90	27	3.12	0	11
1943	60.4	102	28	5.07	1.3	13
1944	61.7	93	30	6.43	T	13
1945	57.5	99	28	2.48	0	11
1946	63.2	100	26	3.06	0	10
1947	59.6	90	24	5.81	T	14
1948	62.4	101	30	3.12	0	10
1949	63.7	104	26	2.64	T	9
PERIOD	62.8	111	19	3.51	T	10

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

- \- No record.
- \+ And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 8 Precipitation measured at 6-hourly intervals, no recording gage.
- B Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- S Storage precipitation station. Precipitation measurements, made at irregular intervals, will be published in the June issue of this publication.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly subscription includes Annual Summary) Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois.

Table 2

CLIMATOLOGICAL DATA

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
ARVILLA STATE PARK	65.6		95	11	29	7	4	1	2.56		.78	1	0	0		9	4	0
CARRINGTON	62.6	- 0.8	95	30	39	7	2	0	2.90	- .55	1.29	1	0	0		11	2	1
CAVALIER POWER PLANT	65.2	2.6	96	11	32	7	3	1	2.30	- .78	.65	12	T	0		9	4	0
COOPERSTOWN	64.7	1.5	95	11	39	7	3	0	2.87	- .40	1.04	30	0	0		8	4	1
DEVILS LAKE W B CITY	63.4	1.5	95	29	40	7	3	0	2.26	- 1.30	1.04	29	T	0		11	2	1
EDGELEY EXP FARM	65.3	1.7	96	11	35	7	2	0	2.46	- 1.21	1.32	20	T	0		10	4	1
EDMORE 1 W	67.2	4.9	93	11	36	7	2		2.21	- .90	.98	12	T	0		7	3	0
ELLENDALE NORMAL SCH	65.8	1.0	97	11	36	7	3	0	3.68	.27	1.35	27	0	0		8	3	1
FARGO W8 AIRPORT	65.6	1.2	94	11	36	7	2	0	2.71	- 1.34	.88	12	T	0		9	4	0
FORMAN	67.0	2.0	93	29	38	7	2	0	3.32	- .28	.66	1	0	0		11	5	0
FULLERTON	67.1	2.9	97	11	35	7	4	0	2.95	- .96	.96	21	0	0		9	3	0
GACKLE	65.7M	2.4							3.98	.51	2.91	1	0	0		11	3	1
GRAFTON STATE SCHOOL	65.4	1.7	96	10	32	7	5	1	2.25	- 1.00	.98	12	0	0		7	3	0
GRAND FORKS CAA	64.2	0.8	93	11	36	7	1	0	2.09	- 1.19	.43	30	T	0		13	2	0
GRAND FORKS UNIVERSITY	64.5	1.1	93	11	36	7	1	0	2.49	- .79	.84	30	T	0		12	3	0
HANKINSON R R STATION	66.9	0.0	95	12	38	7	3	0	3.76	.18	1.02	27	0	0		10	5	1
HANNAH	62.4	1.9	94	11	34	7	2	0	3.53	.12	1.63	25	0	0		8	4	1
HILLSBORO	65.7	1.0	92	11	37	7	3	0	2.64	- .78	.71	27	0	0		7	4	0
JAMESTOWN CAA	63.9	0.2	97	29	36	7	2	0	.99	- 2.51	.37	26	0	0		9	2	0
KENSAL WILDLIFE REFUGE	61.3		92	29	34	7	2	0	.84		.30	20	0	0		8	1	0
LA MOURE	66.1M		95	29	36	7	4	0	2.81		1.21	20	0	0		9	3	1
LANGDON EXP FARM	62.4	1.8	95	11	32	7	4	1	1.67	- 1.57	.40	12	0	0		9	3	0
LARIMORE	65.1	2.2	93	12	35	7	3	0	1.83	- 1.73	.88	1	0	0		7	1	0
LISBON	64.8	0.4	93	12	32	7	2	1	4.36	.46	2.00	20	0	0		11	4	1
MAYVILLE	65.9	1.4	93	11	36	7	3	0	2.28	- 1.09	.89	27	T	0		10	3	0
MC HENRY 5 N	63.1	1.3	94	29	35	7	2	0	2.78	- .69	.80	1	0	0		11	4	0
MC LEOD 3 E	66.8	1.5	95	11	37	7	2	0	3.37	- .46	1.33	20	T	0		5	5	2
MUNICH 4 SW	60.8		92	11	35	7	2	0	1.97		.40	17	T	0		8	4	0
OAKES WATER WORKS	66.9	1.6	94	12	38	7	3	0	3.42	- .22	1.19	27	0	0		8	4	2
PARK RIVER	65.0	1.9	97	11	32	7	4	1	2.52	- .74	.77	1	T	0		10	3	0
PEMBINA CAA	62.5	- 0.3	96	11	30	7	2	1	1.59	- 1.60	.36	17	T	0		10	3	0
PETERSBURG	63.6M		93	11	35	7	2	0	3.97	.47	1.44	30	T	0		10	4	1
SHARON	63.5	0.5	89	11	38	7	0	0	2.57	- 1.04	1.10	30	0	0		10	4	1
VALLEY CITY	66.7	2.6	95	11	40	7	4	0	1.38	- 2.17	.90	1	0	0		4	2	0
WAHPETON STATE SCHOOL	68.0	2.2	92	11	36	7	2	0	3.79	.21	1.00	1	T	0		11	6	1
DIVISION	64.9	1.5							2.66	- .88								
MIDDLE DIVISION																		
ASHLEY	64.1		90	30	39	7	1	0	5.18	1.76	2.42	1	0	0		9	5	2
BELCOURT INDIAN RES	60.2		92	11	33	18	2	0	2.97		.90	1	0	0		11	3	0
BISBEE	61.7	- 0.4	93	11	35	7	3	0	1.87	- 1.49	.94	1	T	0		7	2	0
BISMARCK WB CITY	67.0	2.8	96	30	41	29	3	0	2.36	- .87	1.50	1	0	0		10	2	1
BISMARCK WB AIRPORT	65.2	2.3	99	29	39	18	4	0	1.24	- 2.11	.44	12	0	0		11	1	0
BOTTINEAU	60.3	- 1.5	92	11	36	18	3	0	3.47	.28	1.97	1	0	0		11	3	1
BOTTINEAU STATE PARK	58.8M				35	19			2.41		.80	17	0	0		7	4	6
CARSON 2 S W	65.4	1.7	100	29	37	4	5	0	1.06	- 2.42	.39	22	0	0		6	1	0
CENTER	63.3M	- 0.4	98	28	35	7	4	0	1.55	- 2.01	.75	19	0	0		9	1	0
DRAKE	63.2	- 0.6	94	12	40	18	3	0	4.87	1.71	2.58	1	0	0		12	4	1
ECKMAN	61.1	- 0.9	93	12	36	18	3	0	5.49	2.51	3.28	1	0	0		15	3	1
FESSENDEN	63.4	0.8	92	29	40	7	2	0	2.85	- .63	1.16	1	0	0		6	3	1
FORT YATES	67.1	0.5	98	29	38	18	3	0	1.55	- 1.92	.85	19	0	0		4	2	0
FOXHOLM WILDLIFE REF	62.9M	1.0	97	11	39	18		0	4.16	1.18	1.61	1	T	0		10	4	1
GARRISON	64.1	1.2	96	11	39	4	4	0	2.73	- .69	1.16	1	0	0		8	2	1
GRANVILLE	63.2M	0.5	94	29	39	4		0	3.55	.36	2.12	1	0	0		10	3	1
HANSBORO	60.4M	- 0.4							2.12	- 1.20	.68	17	T	0		10	3	0
LEEDS	65.3		98	11	38	7	3	0	3.24		1.50	1	0	0		9	3	1
LINTON	66.7	1.5	96	29	40	14	3	0	3.46	.19	.95	20	T	0		11	4	0
MADDOCK AGR SCHOOL	63.3	1.1	95	29	36	7	3	0	2.85	- .54	1.12	1	0	0		11	3	1
MANDAN EXP STATION	64.6	0.2	98	30	41	18	3	0	2.92	- .36	1.30	1	0	0		12	5	1
MANDAN FT LINCOLN PARK	66.8		101	29	39	7	5	0	2.18		1.03	1	T	0		9	3	1
MAX	62.5	- 1.1	97	30	41	7	3	0	4.18	.79	1.77	1	0	0		10	4	2
MC CLUSKY	62.8	0.5	93	30	34	7	3	0	3.36	- .10	1.72	1	0	0		7	4	1
MINOT CAA	62.6	- 2.5	94	10	41	18	3	0	2.33	- .77	.77	1	T	0		8	3	0
MINOT EXP FARM	63.1		93	10	40	18	4	0	3.23		1.52	1	0	0		11	3	1
MOHALL	61.1	- 0.6	91	10	38	18	3	0	3.73	.80	1.84	1	0	0		9	4	1
NAPOLEON 2 SE	63.5	0.6	92	29	36	18	2	0	2.95	- .41	1.84	1	0	0		14	3	1
NEW SALEM 1 S	64.6	1.0	95	29	37	7	5	0	1.53	- 1.92	.70	1	T	0		7	2	0
PETTIBONE	64.3	1.7	96	29	35	7	2	0	3.37	.26	2.14	1	0	0		12	2	1
RIVERDALE	63.0		96	12	42	21	3	0	3.10		1.50	1	0	0		9	2	1
ROLLA	61.1	0.8	92	11	37	7	3	0	2.04	- 1.36	.72	17	0	0		10	3	0
RUGBY I N	64.6		95	11	42	4	4	0	3.04	- .06	1.40	1	0	0		9	3	1
TOWNER	62.9	- 0.5	96	11	38	18	4	0	2.69	- .42	1.15	2	0	0		7	3	1
TURTLE LAKE	64.1	1.8	94	11	40	18	3	0	2.86	- .61	1.22	1	0	0		12	3	1
UNDERWOOD 12 W	63.3	- 1.0	96	29	37	4	4	0	3.18	- .24	1.16	1	T	0		9	4	1
UPHAM WILDLIFE REFUGE	62.7		94	11	35	18	4	0	5.98		3.74	1	T	0		9	4	1
VELVA	63.7	- 0.9	94	29	40	18	3	0	3.77	.84	1.75	1	0	0		11	4	2
WASHBURN	65.0	0.1	95	29	43	18	2	0	2.33	- 1.06	1.00	1	0	0		8	4	1
WESTHOPE	62.5	- 0.2	94	10	39	18	3	0	4.99	1.98	3.30	1	0	0		10	2	1
WILLOW CITY	62.5	1.2	95	11	40	18	3	0	3.39	.34	1.69	1	0	0		8	3	1
WILTON RR STATION	61.8M	- 1.0	94	30			2		2.80	- .48	1.52	1	0	0		11	3	1
WISHEK	63.9M	0.3	90	30	36	7	1	0										
DIVISION	63.3	0.3							3.07	- .42								

See reference notes following Station Index

CLIMATOLOGICAL DATA

able 2—Continued

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
MONT 7 SW	64.4		95	29	40	4	3	0	2.37		.89	15	T	0		10	4	0
IDON	64.4	1.6	99	11	34	4	4	0	1.36	- 2.12	.34	17	0	0		13	2	0
ACH	63.0	0.4	94	11	39	4	4	0	.70	- 2.89	.34	12	0	0		6	2	0
LFIELD	62.2	0.5	98	10	35	4	5	0	1.31	- 2.11	.42	17	0	0		11	2	0
WBELLS R R STATION	61.1M	- 0.7	92	11	36	4	3	0	5.25	2.01	2.87	1	0	0		8	3	2
WMAN COURT HOUSE	64.9M	1.5	93	10	40	4	6	0	.64	- 2.47	.17	29	0	0		9	0	0
OSBY	60.1	- 1.6	94	11	36	16	3	0	3.76	.60	1.22	1	0	0		13	3	2
CKINSON CAA	63.4	1.3	96	11	37	4	4	0	.91	- 2.61	.30	12	T	0		13	1	0
CKINSON EXP STATION	62.6	0.5	98	11	26	28	4	1	1.21	- 2.31	.32	23	0	0		10	1	0
ON CENTER	63.6	1.1	104	12	32	4	7	1	2.58	- 1.12	1.17	17	T	0		8	2	1
LSOWOODS	61.0M	- 2.4	99	11	35	4	3	0	1.67	- 2.01	.82	17	0	0		9	2	0
PING	62.3	- 0.8	95	10	37	18	4	0	1.66	- 1.65	.67	17	0	0		7	2	0
ENORA	62.8M	1.8	94	10	35	18	3	1	2.93	- .03	.74	30	0	0		9	4	0
NMARE	62.0	- 0.4	95	12	38	4	3	0	5.20	2.31	3.05	1	0	0		8	3	2
RMARTH	65.5M	2.1	97	29	37	28	8	0	1.16	- 1.97	.44	17	T	0		8	2	8
DORA T R N M P	65.0		99	11	34	28	8	0	1.18		.49	17	0	0		12	1	0
TT RR STATION	65.4	0.4	97	10	35	14	8	0	.89	- 2.36	.52	29	T	0		6	1	0
W ENGLAND	64.6M	1.0	98	11	33	28	9	0	.81	- 2.35	.23	17	0	0		10	0	0
RSHALL	61.2	- 0.8	95	11	33	4	4	0	3.86	.37	2.10	1	0	0		11	3	1
RTAL	60.9	0.3	92	11	36	4	2	0	4.98	1.87	1.84	1	0	0		10	4	2
CHARDTON ABBEY	64.6	1.5	97	10	37	4	4	0	1.13	- 2.34	.26	17	0	0		14	1	0
NISH	61.5	- 1.8	98	11	35	4	4	0	1.95	- 1.42	.87	17	0	0		7	3	0
ANLEY	59.3		97	11	33	18	3	0	3.60	.20	1.05	1	T	0		11	5	1
N HOOK	63.0		97	11	36	4	3	0	2.11		.94	17	0	0		5	3	0
TFORD CITY	84.4	1.3	98	11	38	4	5	0	1.31	- 1.84	.58	16	0	0		8	2	0
LLISTON WB CITY	63.6	0.9	94	10	40	4	4	0	1.53	- 1.90	.66	16	0	0		8	3	0
DIVISION	63.0	0.4							2.16	- 1.36								
STATE	63.7	0.9							2.64	- .87								

DELAYED DATA

BRUARY 1949																		
MIDDLE DIVISION																		
ASHLEY	0.8M	-10.6																
EASTERN DIVISION																		
BALDHILL DAM	14.1M																	
WESTERN DIVISION																		
ELSOWOODS	13.0	0.9	29	11	- 32	3		28	0.38	- .01	.20	18	7.0	39	23	5		
EASTERN DIVISION																		
GRAND FORKS UNIVERSITY	10.9	3.2	31	17	- 26	2+		28	0.66	.10	.27	26	9.0	19	6+	9	1	
HANKINSON R H STATION	12.8	- 1.3	39	18	- 24	11		28	0.12	- .42	.07	5	2.0			2		
RCH 1949																		
EDMORE 1 W	16.4	- 4.7	38	7+	- 18	14		31	0.52	- .17	.15	24	9.0	36	24	6		
Y 1949																		
WESTERN DIVISION																		
ALMONT 7 SW	71.7		87	29	30	23		1	2.61		.75	18				9	3	
EASTERN DIVISION																		
LISBON	60.0	5.2	87	4	26	24		2	2.01	- .76	.54	2				13	3	

EVAPORATION AND WIND MOVEMENT

able 6

Station		Day of month																												Total	Departure from normal
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
CKINSON EXP STATION	EVAP	.12	.28	.24	.19	.26	.29	.23	.33	.13	.25	.26	.40	.12	.26	.27	.20	.18	.08	.07	.16	.20	.28	.22	.21	.18	.28	.21	.32	.39	.31		6.88	
	WIND	130	110	150	150	70	110	120	230	80	105	65	122	105	110	120	125	215	80	150	80	78	104	58	90	105	85	200	140	210	275		3782	
NDAN EXP STATION	EVAP	.05	.16	.25	.14	.16	.28	.24	.28	.14	.14	.22	.34	.30	.19	.25	.18	.16	.10	.12	.07	.16	.24	.18	.23	.22	.33	.26	.31	.31	.43		6.42	
	WIND	85	72	88	116	88	117	88	134	108	81	60	113	138	43	98	125	148	132	97	82	67	103	58	69	77	142	180	109	204	158		3186	

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3

NORTH DAKOTA

JUNE 194

Station		Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S		.56										.71	T							.14	.10	.18	.08	T	T	T			.27		.49		2.8
ALEXANDER R R STATION		.15											T	.01	.02	.01	.05	.84			.08		.08			.04		.02			T		1.3
ALMONT 7 SW		.30													T	.89	.05	.47	T	T	.12	.37	.03	.08			.03				.08		2.3
ALPHA 1 S												.13		T	T		.05	.25	.08	.05			.09			.08	.02						0.7
AMIDON													.27	.01			.15	.34	.04	.05	.05		.12	.02		.03	.09	.01		.16			1.3
ARVILLA STATE PARK		.78											.27			.03		.27		.22	.20					.07		.20			.52		2.5
ASHLEY	Z	2.42											.08				.37	.03			1.04			.58	.50	.07		.11					5.1
BALFOUR R R STATION	R	1.55										.25	.30			.15	.24	.38		.15	-	-	-	-	-	-	-						-
BEACH				T									.34		.01		.02	.28	T	.01	T					.08	T						0.7
BELCOURT INDIAN RES		.80										.89	.08			.05	.03	.73		.15	.02		.08			.17		.05					2.9
BELFIELD		.03											.30		T	T	.10	.42	.08	.07	.02		.18	.02		.07	T				.04		1.3
BEULAH		.85											.15	.08	T		.03	.78	.03	.18	.20	.08	.07	.02			.02						2.2
BISBEE		.84		T					T				.11			T	T	.80		.12	.04		T			.05	.01		T				1.8
BISMARCK WB CITY		1.50		T									.38			T	T	.14		.04	.15		.01	.05	.01	.03	T	T		.04			2.3
BISMARCK WB AIRPORT	2	.18	T						T	T			.44		T	.03	.08	.04	.02	.21	.01	.18	T	.04	T	.03	T			T			1.2
BOTTINEAU		1.87		.01									.10		.01	T	.01	.88		.30	.07			.03		.24		.05					3.4
BOTTINEAU STATE PARK		.40		.01	T													.80		.40			T	.20		.40	.20						2.4
BOWBELLS R R STATION		2.87	.23	T	T								.04					1.30		.71			.02			.05		.03					5.2
BOWMAN COURT HOUSE	2						.02					.09				.05		.07	T	.10				.02	.08		.04			.17			0.8
CARRINGTON		1.29				T							.22				.15	.51	T	.12	.23		.11		.03	.17		.05			.02		2.9
CARSON 2 S W		.22											T			.10	.08	.08			.18		.39										1.0
CAVALIER POWER PLANT		.33			T				T				.85		T	.08	T	.18		.15	.02		.03		T	.34				T	.52		2.0
CENTER												.10					.20	.08	.15	.75	.15		.03				.03				.06		1.5
COLGATE				.12									.29			.20	.12			.15							.52				.01		1.4
COOPERSTOWN		.55											.11			.13				.11	.35		.08					.50			1.04		2.8
COURTENAY		.83								.02					.02					.08	.33				T	.08	.38						1.7
CROSBY		1.22			.02								.13	.08	.01		.14	1.02	.01	.68	.14	T		.02		.24		.06					3.7
DEVILS LAKE W B CITY	Z	.02								T			.82		T	.08	.01	.18	T	.18	.05	T	T	T	.05	.02	T	T			1.04	.03	2.2
DICKINSON CAA	Z												.30		.02	.02	.01	.17	.04	.07	.01		.13	.01		.02	.10				.01		0.9
DICKINSON EXP STATION													.14		T	.04	.20	.13	T	.13	.01	T	T	.32	T	.03	T	.03			T	.18	1.2
DRAKE		2.58	.05										.52				.24	.62		.14	.37	.08	.03	.01	.22	.03							4.8
DUNN CENTER		.23											.67		T			1.17		.15			.17	.05	T	.04		.10					2.5
ECKMAN		3.28	.40		.01								.13			.02	.01	.72	.11	.22	.07		.03	.06	T	.21	.07	.13					5.4
EDGELEY EXP FARM	Z												.08		.01	.25	.07	.03			1.32		.25		.20	.01		.28					2.4
EDMORE 1 W		.34		T									.98		T	T		.30		.12	.10		T	T		.22	T			.15			2.2
ELBOWOODS													.04					.82		.05	.18		.28	.12	.09	.06	.03						1.6
ELLENDALE NORMAL SCS		.22											.09			.08		.11		.03	.90			.90				1.35					3.6
EPPING		.20											T				.30	.87		.24					.05	.10	.10						1.6
FARGO WB AIRPORT	Z	.04	.11		T				T				.88			T	.05	.44		T	.27		T		.01	T	.83	.08						2.7
FESSENDEN		1.16											.52			.14		.22			.57			T						.24			2.8
FORMAN		.88	.33										.06			.18	.03			.04	.66		.04	.51	.17			.64					3.3
FORT YATES		.50	.10																.10	.85			T				T						1.5
FOXHOLM WILDLIFE REF		1.61		T								.83	T			.02	.10	.74		.52			.02	.05		.10		.07					4.1
FULLERTON		.18											.47			.15	.04	.05		T	T	.88	.17	.11			.82						2.9
GACKLE		2.91											.25		.05		T			.14	.14		.06	.01	.03	.02		.33			.04		3.9
GARRISON	Z	1.18											.20			.08	.07	.82		.22			.12			.08							2.7
GLEN ULLIN	R	.02														.08	.07	.18	.05	.04	.01		.32	.02	.04		.04			.03			0.8
GRAFTON STATE SCHOOL		.45							T				.98				.01	.40		.18	.05		T					.18		T			2.2
GRAND FORKS CAA	Z	.05		T					.02				.13			T	T	.07		.23	.15		.22		.24	.01	.24	.02		.28	.43		2.0
GRAND FORKS UNIVERSITY		.26	T		T				.01	T			.15			.02	.01	.08		.23	.15		.32		T	.21		.23			.84		2.4
GRANO	R//	1.80										.05				.10	.48	.50		.33		.05	.38			.23	.04						3.3
GRANVILLE		2.12										T	.07			.04	.06	.92		.25	.01	.02	T		.04	.02							3.5
GRENORA				T									.11			.02		.61	.18	.67		.05	.18			.37		T			.74		2.9
HALLIDAY		.60											.38		T			1.05		.11		.13	.10	.08		.03	.03						2.4
HANKINSON R R STATION		.52	.12											.02			.17		T	.31	.91		.02	.55	.12			1.02					3.7
HANNAFORD	R									.18			.12			.12		.07	.01	.15	.31	.07	.03				.71			.28			2.0
HANNAS				T								.35				T	T	.55		.20	.15				.22	1.63				.34	.09		3.5
HANSBORO		.44		.02								.15	.04			.08	T	.68		.13	.04					.52	.02						2.1
HARVEY WATER WORKS		1.78	T	T									.52			.08	.01	.20	T	.15	.12		.08	T	T	T					.75		3.6
HAZELTON R R STATION	R//	.11														.01	.02			.24		.02					.04						0.4
HILLSBORO		.70	.51						T				.55			.08	T	.07		.02	T		T		T			.71					2.6
HURDSFIELD	R	1.27											.30			.08	.01	.09		.38		.03	.03				.08			.09			2.3
JAMESTOWN CAA	Z	.02		T	T				T				.05			.02	T	.05	.13	.30	T	.04	T			.01	.37	T		T			0.6
KENMARE		3.05	.10										T					1.22	.10	.55	.05		.03			.10		T					5.2
KENSAL WILDLIFE REFUGE													.08			.13	T	.06		.05	.30		.06				.10			.06			0.6
KRAMER 5 SE	R	2.04										.85					.30	.47		.28			.04	.01	.02	.08	-	-					-
LA MOURE		T											.20			.24	.31	.04		T	1.21	T	.20	.18		.03	.42						2.6
LANGDON EXP FARM		.39											.40			.13		.30		.15	.08					.18	.03				.05		1.6
LARIMORE		.88											.07							.20	.20				.02			.23			.23		1.6
LEEDS		1.50											.88	T	.01	.02		.15	T	.22					.08	.18	T			.40			3.2
LINTON		.78	.05									.12	.43	.10						.16	.95		.51	.07			.10			.19			3.4
LISBON		.38	.08										.03	.08			.24	.02			2.00		.07	.69	.08			.70					4.3
MADDOCK AGR SCHOOL		1.12		T					.01				.76		T	.08	.03	.14	T	.12	.11			.04	T	.02					.41		2.6
MANDAN EXP STATION	Z	1.30		.01									.35				.02	.25	.02	.05	.30	T	.10	.05	.03	T	T				.44		2.6
MANDAN FT LINCOLN PARK		1.03											.33			T	.03	.18		.03	.33		.13	.06		T	T		.08				2.1
MARMARTH													.25		T		.20	.44	.02	.08	.03		T	T		.10	.06						1.1
MAX		1.77	.08										.37					1.38		.33	.09		.03	.05	.07	.03							4.1
MAYVILLE		.09		T					.01	.46			.18			.04	T	T		.06	.32		T			.02	T	.88			.21		2.1
MC CLUSKY		1.72											.55			.03		.35		.68		.04	.01										3.1
MC GREGOR RR STATION	R	.60										.07				.20	.80	.35		.68					.03	.24	.07						3.0
MC HENRY 5 N		.80											.30			.12		.33		.11	.65		.03		.06	.06		.18			.14		2.7
MC LEOD 3 E		.40		.30									1.00								1.33		T	.34									3.1
MC VILLE		1.05											.20			.03		.10		.15	.35					.11		.18			.30		2.4
MEDINA 1 W		2.07								T			.04			.07	.03	.03			.15		.05					.18			.09		2.7
MEDORA T R N M P		.06	T										.23	.05		.02	.10	.49	.02	.05	.08		.02	T		.04	.04						1.1
MINOT CAA	Z	.77		T								T	T		.03	.08	.34	.57		.40	T	T	.02	.04	T	.08	T						2.2
MINOT EXP FARM		1.52	T										.08		T	.11	.05	.98	T	.27	.03	.03	.03			.12	T	.01					3.1
MOFFIT RR STATION		3.02		.03						.45			.10			T	.08	T	.10	.05	.46		.16	.14		.06		T			T		4.6
MORALL		1.84		.02								.03				T	.43	.65		.36			.22			.17	.01						3.1
MONTPELIER		.67		.07									.08	.02		.02	.08	.01		.09	.20	T	.20			T	T	.37		T			1.6
MOTT RR STATION	Z																.14	.01		.09	.08		T	T		.05				.52			0.8
MUNICR 4 SW		.32		T								T	.23			T	T	.40		.11	.23		T	T	.37	.27				T	.04		1.3
NAPOLEON 2 SE		1.84	.01							.02			.02		.11	.12	.08			.09	.25		.03	.03		.01	T	.32		.02			2.5
NEW ENGLAND							T						.03		T	.02	.12	.23	.05	T	.09		.10	.03		.04	.10						0.6
NEW ROCKFORD 6 NW		.93	T	T	T								.74		T	.10	T	.13		.04	.34		.07	T	.34		T			T			2.6
NEW SALEM 1 S		.70										.06					T	.30		.05			.11	.15	.13				T			1.3
OAKES WATER WORKS	Z	.50	.10														.17	.05			1.06			.29	.06			1.18					3.4
PARK RIVER		.77							T				.45			T	.02	.15		.18	.13		.09	T	T	.16	T	.10			.47		2.5
PARSHALL		2.10											.05		.03	.02	.05	.88	.02	.40			.03			.04		.23					3.5
PEMBINA CAA	Z	T		T	T				T			.11	.32		.13	T	T	.36		.13	T		T		.28	.10	.02	T			.11	.03	1.1
PETERSBURG		.42											.76			.02	T	.69		.17	.22				.02	.02		.21			1.44		3.5
PETTIBONE		2.14								.18			.02		.10	.05	T	.10		.08	.41		.08	.12	T	T	.01		.10				3.1
PORTAL		1.84	.04		T								.06				.08	.95	.02	.77	.04		T			.15	T	1.00					4.6
PRETTY ROCK								T				T				.02	.11			.03	.33		.01	.07		.02							0.2
RICHARDTON ABBEY												T	.12		.02	.13	.05	.26	.04	.08	.07	.02	.11	.02	T	.02	.15	.04					1.1
RIVERDALE	Z	1.50											.22			T	T	.89	.02	.21	.09	T	.13	.03	.01								3.1
ROLLA		.67		T								.28			.04	.02	.02	.72		.12			.08	T		.06		.02		T			2.0
ROGBY 1 N		1.40											.36		.02		.02	.62		.20				.06		.24		.12					3.0
RYDER		.10																	1.15		.25	T	.20	.20		T	T	T					1.5
SANISR		.60											.07	.05				.87	.01	.30	.05												1.5
SARLES	B//	.07										.28	.02				.09	.65		.11	.18				.49	.45	.03		.21	.48			3.0
SEARON		.55	T										.05			.04	T	.02		.19	.27		.04			.05		.28			1.10		2.1
SHERWOOD		3.06		T								.02				.02	.25	.91		.30			.03	T	T	.18		.08					4.4
STANLEY		1.05		T								.52				.21	.42	.52		.38	.01	.17	.04	.15		.15							3.4
STEELE		1.15								.22			.05			T		.15		.08	1.05	.02	.04	.02			.07	T		.07			2.5

See reference notes following Station Index.

DAILY PRECIPITATION

able 3—Continued

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GUS		1.38		T								.48			T	.06	.10	.75		.60	T		.11	T	T	.11		.05					3.64
OGA		.60														.31		1.10	.46							.30	.12						2.89
WNER			1.15	T									.34			.10		.62		.24				.03	.21			T					2.69
OTTERS													.07		T		.08	T		.03		T	T	T	T	T	T						0.18
RTLE LAKE		1.22											.27			.07	.03	.50	.10	.17	.18		.10	.15	T	.02			.05				2.86
TTLE 8 SW		1.03											.53			.04		.08		.12	.30				.05					.09		2.24
DERWOOD 12 W		1.16								T			.30					.86	.04	.20	.10	.18	.09			.25				T	T		3.18
HAM WILDLIFE REFUGE		3.74		T								.80	.02			.02	.05	.80		.35			.12	T		.08	T	T					5.98
LLEY CITY		.90											T		T		T				.13		T			.01		.34					1.38
N BOOK		.62		T								T			T	T	.02	.94		.45		T	T		T	.07	T						2.11
LVA		1.75										T	.15		T	.26	.03	1.03		.31		.13	.02	.02		.06	.01						3.77
RONA		.53			.15												.15				1.00			.55	.17			.60					3.15
EPETON POWER PLANT	R	.33	.09										.22			.23	.05			.20	.80		.93	.03				.39	.11				3.38
EPETON STATE SCHOOL		1.00	.18						T				.42			.30	.02	.01		.21	.69		.03	.42					.51				3.79
SKBURN		1.00											.35				T	.15		.28	.32		.07	.14				.02					2.33
FFORD CITY		.15													.02		.58	.43		.03		.01	.01		T	.08							1.31
STHOPE		3.30										T	T			.04		.95		.21		.04	.20		.10	.03	.02	.10					4.99
LDROSE		.85		T								.02				.19	.32	.83		.93		T			.07	.41		.62					4.24
LLISTON WB CITY	R	T		T								T	T		T	T	.66	.27	T	.10	.05	T	.03	T	.10	.04	.28	T		T			1.53
LLOW CITY		1.69		T								.43	.02		T	T	.05	.86		.16			.05			.13							3.39
LTON RR STATION		1.52											.59	T			.02	.09	.06		.35	.01	.06	.02		.06				.02			2.80
SHEK		2.99	T	T								T		T			.12	T		.18	.56	.02	T	.06	.08		-	.58					-

DELAYED DATA

DECEMBER 1948																															
MER 5 SE	R					.03	.03		.05		.10			.08		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JANUARY 1949																															
MEE 3 SE	R			.03	.12	.36			.11							.05				.01	.04			.09	.01					.04	.02		0.88
FEBRUARY 1949																															
LEY	Z		-		-						T			T													-	-	-			-
LDHILL OAM				.03		-	.05													-	-	.03		.10	.01	.06						-
OWOODS							.06						.02						.20				*									0.38
VA	R					.13	.05			.06	.02	-	-				-		.06	-	-	-	-	-	-	-	-	-				-
ND FORKS UNIVERSITY		T	.02	T	T	.03	.14		T	.02				T	T			T	T	T	.07	T	T	.01	.04	.06	T	.27					0.66
KINSON R R STATION						.07	T																					.05					0.12
MEE 3 SE	R										.13	.05			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
ER								.02									.10	.02	T														0.26
OMA			-		.10																			.12				.12					-
MARCH 1949																															
MS 7 S																									.32	.12	.04		.03	.04			0.55
BER			T	T		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IEN										-														T	.13								-
ORE 1 W		T			T	T												T	T		*	.03		.11	.15	.11	T	T	.06				0.52
TIMGER							.07	T	*	.03			.10				.09	T		-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLUSKY		-	-	-	-								T									.25		*	.45	.15	-	-	-	-	-	-	-	-
ERS LAKE						-																		-	-	-							-
OROSE					T	.06														T				.13	.31	.08							0.58
APRIL 1949																																	
DHILL OAM		T			T	T	T			T	.16	-					T	.01						T				T				-
BY I N										-																					.20		-
MAY 1949																																	
ONT 7 SW		.66											.07			T		.13	.75	T			.10		T	.06			T	.10	.03	.71	2.61
SON		.18	.54		.06	.10	.39											.03	.33					.05		.02			.24	.04	.02	.03	2.01
RING	R//				.53													.27	.24				-	-	-	-	-	-	-	-	-	.23	-

CORRECTIONS

MONTH: DECEMBER, 1948

Table 2 Hishee, precipitation departure +1.63.
Minot Exp. Farm, temperature departure -3.4; precipitation departure +0.06.

MONTH: JANUARY, 1949

Table 3 Grano, on 29th * in total; on 30th .20 in total.
Table 4 Grano, on the 29th * beginning at 7 PM and ending with .20 at 9 AM 30th; * in total 29th; .20 in total 30th.

MONTH: APRIL, 1949

Table 3 McGregor, on 30th total 10.
Table 4 McGregor, on 30th .09 at 11 PM; .01 at midnight; total .10.
Oakes, on 30th .05 at midnight; total .05.

MONTH: MAY, 1949

Table 3 Omemee, on 31st, total .80.
Table 4 Omemee, on 31st .13 at 8 PM; .15 at 9 PM; .12 at 10 PM; .18 at 11 PM; .22 at midnight; total .80.
Riverdale, on 30th .08 at 3 PM; .06 at 4 PM; .09 at 5 PM; total .23. On 31st .02 at 10 AM; .01 at 11 AM; .02 at noon; .03 at 4 PM; .12 at 5 PM; .08 at 6 PM; .05 at 7 PM; .04 at 8 PM; .08 at 9 PM; .17 at 10 PM; .24 at 11 PM; .13 at midnight; total .97.

See reference notes following Station Index

Table 4

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
—1st—																									
ASHLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR R R STATION		.37	.41	.27	.15	.08	.10	.11	.06																
BISMARCK WB AIRPORT		.09	.05		.01	.03																			
DEVILS LAKE W B CITY									.02																
EDGELEY EXP FARM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//	.02																					.01	.01	
GARRISON		.11	.08	.08	.07	.06	.06		.01																
GLEN ULLIN		.01	.01																						
GRAND FORKS CAA	//	-	-	-	-	-	-	-	-	-	-	-	-												
GRANO	//	.26	.12	.17	.19	.21	.10	.17	.28	.08	.02														
HAZELTON R R STATION	//	.10	.01																						
HURDSFIELD		.61	.60	.04	.01		.01																		
KRAMER 5 SE		.18	.36	.51	.19	.06	.24	.24	.15	.10		.01													
MANDAN EXP STATION		.01		.01	.03																				
MC GREGOR RR STATION		.03	.11	.20	.16	.08	.02																		
MINOT CAA	//	.09	.04	.11	.07	.08	.10	.13	.14	.03															
OAKES WATER WORKS		.02	.03																						.02
RIVERDALE		.14	.14	.13	.05	.10	.07																		
SARLES 3 E	//	.05				.01	.01																		
WAHPETON POWER PLANT		.02																		.02	.08		.18	.02	.01
—2d—																									
FARGO WB AIRPORT	//	.03	.05	.03																					
OAKES WATER WORKS		.05	.02																						
WAHPETON POWER PLANT		.02	.03	.01				.01	.02																
—8th																									
GRAND FORKS CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—9th—																									
HANNAFORD												.03		.01		.01	.13								
—11th—																									
BALFOUR R R STATION																							.07	.18	
BOWMAN COURT HOUSE	//																						*	*	*
GRANO	//																.04	.01							
KRAMER 5 SE																		.74	.06	.03	.02				
MC GREGOR RR STATION																.06	.01								
PEMBINA CAA	//																								.06
SARLES 3 E	//																			.21		.07			.01
—12th—																									
BALFOUR R R STATION			.09	.02	.17	.02																			
BISMARCK WB AIRPORT					.12	.31	.01																		
DEVILS LAKE W B CITY		.01		.26	.03	.11	.03	.10	.07	.01															
DICKINSON CAA		.11	.13	.01	.06	.01																			
FARGO WB AIRPORT	//					.13	.07	.38	.20		.03	.06	.01												
GARRISON		.01	.01	.01	.12	.03																			
GRAND FORKS CAA	//							.10	.03	.02															
HANNAFORD					.01		.01	.08		.01			.01												
HURDSFIELD				.02	.01	.07	.11	.06	.02		.01														
MANDAN EXP STATION				.14	.18		.03																		
OAKES WATER WORKS														.01											
PEMBINA CAA	//				.01	.02	.17	.04	.01	.01	.01	.01	.01												
RIVERDALE			.13	.02	.03																				
SARLES 3 E	//	.01	.01																						
WAHPETON POWER PLANT										.10				.11	.01										
—14th—																									
DICKINSON CAA								.01																	
PEMBINA CAA	//																.07						.01	.02	
—15th—																									
BALFOUR R R STATION											.01	.05	.04	.05											
BISMARCK WB AIRPORT																				.02	.01				
DEVILS LAKE W B CITY																.03	.02	.03							
DICKINSON CAA							.02	.02																	.01
EDGELEY EXP FARM														.24	.02										
GARRISON											.02	.05													
GLEN ULLIN																		.04	.01	.01					
GRANO	//													.05	.02	.01		.01	.01						*
HANNAFORD												.01	.06	.05											
HAZELTON R R STATION	//																								.01
HURDSFIELD												.08													
MC GREGOR RR STATION									.09	.06			.04	.01											
MINOT CAA	//												.04												
MOTT RR STATION																			*	*	*	*	*	*	*
OAKES WATER WORKS													.04	.01	.01	.04									
RIVERDALE									*	.03															
WAHPETON POWER PLANT														.01	.02	.06	.11		.03						
—16th—																									
BALFOUR R R STATION																								.20	.04
BISMARCK WB AIRPORT																									.08
DEVILS LAKE W B CITY															.01										
DICKINSON CAA			.01	.01				.01																	
EDGELEY EXP FARM						.02	.02	.02																	*
FARGO WB AIRPORT	//							.02	.03																
GARRISON													.02	.01										.03	.01
GLEN ULLIN																						.01	.06		
GRANO	//														.01	.01	.02	.03	.02	.02		.05	.16	.05	.12
HAZELTON R R STATION	//							.01	.01																
HURDSFIELD																									.01
KRAMER 5 SE																.01	.04						.04	.18	.03
MANDAN EXP STATION																							.03	.17	
MC GREGOR RR STATION													.02	.01	.02	.08	.09	.01	.01	.02	.24	.10	.09	.06	.05
MINOT CAA	//														.02	.03			.01	.01		.05	.18	.04	.09
OAKES WATER WORKS			.01	.01		.01		.02	.01																
RIVERDALE													.02											.04	.01
HARLES 3 E	//																							.02	.07
WAHPETON POWER PLANT									.02	.03															
WILLISTON WB CITY										.03		.01	.03	.02	.07	.03	.01	.03	.01	.13	.12	.06	.01	.10	
—17th—																									
BALFOUR . R STATION		.11	.01	.19	.05																				
BISMARCK WB AIRPORT				.01	.01				.01	.01															

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
BOWMAN COURT HOUSE	//	•	•	•	•	•	.21																			.21
DEVILS LAKE W B CITY				.03	.11	.04																				.18
DICKINSON CAA		.13	.01			.03	.01	.01	.01	.01																.21
EDGELEY EXP FARM					.02																					.02
FARGO WB AIRPORT	//		.41				.01						.01			.01										.44
GARRISON		.33	.04	.34				.02	.04	.01																.78
GLEN ULLIN		.10				.03		.02	.01																	.18
GRAND FORKS CAA	//					.09	.01																			.10
GRANO	//	.05	.09	.11	.01	.09	.03	.02	.01	.02	.06	.01														.50
HANNAFORD			.04	.01	.01	.01																				.07
HURDSFIELD		.01	.01	.06	.01																					.09
KRAMER 5 SE		.10	.02	.23	.07				.01	.02		.02														.47
MANDAN EXP STATION		.02	.01				.01		.02																	.06
MC GREGOR RR STATION		.03	.07	.03	.03	.07	.02	.02	.03	.04	.01															.35
MINOT CAA	//	.07	.17	.17				.01	.01	.01	.05															.49
MOTT RR STATION		•	•	•	•	•	.15																			.15
OAKES WATER WORKS						.04		.02																		.06
PEMBINA CAA	//				.03	.02	.23																			.28
RIVERDALE		.46	.07	.37	.01					.02	.01															.94
SARLES 3 E	//		.05	.20	.22	.17	.01																			.65
WILLISTON WB CITY		.03	.04		.07	.09	.01		.02	.01																.27
—18th—																										
BISMARCK WB AIRPORT																									.02	.02
DICKINSON CAA													.01						.01					.02	.01	.05
GLEN ULLIN																								.03	.02	.05
HANNAFORD																									.01	.01
MANDAN EXP STATION																							.01	.02	.01	.04
MOTT RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—19th—																										
BALFOUR R R STATION				.05						.01	.03	.01		.01		.01			.01				.01	.01		.15
BISMARCK WB AIRPORT		.02		.01																			.17	.01		.21
DEVILS LAKE W B CITY					.02					.03	.01						.01		.01					.02	.08	.16
DICKINSON CAA		.01		.01		.01															.07					.10
EDGELEY EXP FARM																									1.13	1.13
GARRISON		.03	.05	.11	.01	.01	.02	.02																		.25
GLEN ULLIN																					.03	.01				.04
GRAND FORKS CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO	//							.15	.08	.03	.02	.02	.02	.01												.33
HANNAFORD		.04	.03	.01	.01																				.06	.15
HAZELTON R R STATION	//	.01						.01															.22			.24
HURDSFIELD				.01						.01		.01												.34	.01	.38
KRAMER 5 SE					.03	.06			.06	.07	.02	.02			.01	.01	.01									.29
MANDAN EXP STATION			.01																		.25	.04				.30
MC GREGOR RR STATION			.02	.01		.15	.26	.13	.03	.08																.88
MINOT CAA	//			.03	.02	.02	.08	.08	.05	.02	.03	.02	.02						.01						.01	.39
OAKES WATER WORKS																									.72	.72
PEMBINA CAA	//			.01	.02	.02		.03				.02														.10
RIVERDALE		.01	.04	.08				.02															.07			.22
SARLES 3 E	//				.01	.03					.02	.01	.02												.02	.11
WAHPETON POWER PLANT				.03	.05	.02		.08	.02																	.20
WILLISTON WB CITY		.01				.06	.03																			.10
—20th—																										
ASHLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HALFOUR R R STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BISMARCK WB AIRPORT									.01																	.01
DEVILS LAKE W B CITY		.05																								.05
DICKINSON CAA			.01																							.01
EDGELEY EXP FARM		.01	.15																							.16
FARGO WB AIRPORT	//	.04	.02	.19	.02																					.27
GLEN ULLIN		.01																								.01
GRAND FORKS CAA	//	.05	.09																							.14
HANNAFORD		.29	.01	.01																						.31
MANDAN EXP STATION		.01																								.01
MINOT CAA	//			.01																						.01
OAKES WATER WORKS		.05	.22																							.27
SARLES 3 E	//						.18																			.18
WAHPETON POWER PLANT			.35	.01	.39	.02			.01	.02																.80
WILLISTON WB CITY																	.05									.05
—21st—																										
BISMARCK WB AIRPORT																					.13	.01	.02			.16
DICKINSON CAA																		.02								.02
EDGELEY EXP FARM																								.01	.01	.02
GARRISON																						.03				.03
GRANO	//																							.05		.05
HANNAFORD																										
HAZELTON R R STATION	//																			.01	.01		.01		.06	.07
HURDSFIELD																										.02
MANDAN EXP STATION																					.08		.03			.03
RIVERDALE																					.15					.08
—22d—																										.15
ASHLEY	//																				•	•	•	•	.56	.56
DICKINSON CAA																	.15									.15
EDGELEY EXP FARM																					.19	.05		.01		.25
GARRISON																			.05	.01	.01					.07
GLEN ULLIN																		.26	.06							.32
GRAND FORKS CAA	//					.19	.02	.01		.01																.23
GRANO	//																		.37		.01					.38
HANNAFORD					.01				.02																	.03
HURDSFIELD																.03										.03
KRAMER 5 SE																									.04	.04
MANDAN EXP STATION																		.03	.01							.04
MINOT CAA	//																		.03							.03
OAKES WATER WORKS																							.27			.27
RIVERDALE											.11								.03							.14
WAHPETON POWER PLANT		.02																						.87	.04	.93
WILLISTON WB CITY															.03											.03
—23d—																										
ASHLEY	//																	.48	.01							.49
BISMARCK WB AIRPORT																		.02	.02							.04
BOWMAN COURT HOUSE	//															•	•	•	•	•	•	•	•	•	•	•
DICKINSON CAA											.01	.01													.01	.03
EDGELEY EXP FARM																	.02									.02
GLEN ULLIN																.02										.02
KRAMER 5 SE																		.01								.01

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

Station		A.M. Hour ending												P.M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MINOT CAA	//																	.02								.02
OAKES WATER WORKS		.01																	.01	.05						.07
RIVERDALE																	.05									.05
WAHPETON POWER PLANT									.01	.02																.03
													–24th–													
ASHLEY	//																					.04	.01			.05
BOWMAN COURT HOUSE	//	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.10								.10
DEVILS LAKE W B CITY																		.04	.01							.05
EDGELEY EXP FARM																	.18	.02								.20
FARGO WB AIRPORT	//																			.01						.01
GLEN ULLIN													.02	.02												.04
GRAND FORKS CAA	//																							.06	.19	.25
KRAMER 5 SE																									.02	.02
MC GREGOR RR STATION																					.02				.01	.03
OAKES WATER WORKS		.01	.01																							.02
PEMBINA CAA	//																				.25					.25
SARLES 3 E	//																.03				.46					.49
WILLISTON WB CITY										.02														.05	.03	.10
													–25th–													
BISMARCK W B AIRPORT																	.01			.02						.03
DEVILS LAKE W B CITY														.01	.01											.02
DICKINSON CAA		.01	.01	.01																						.03
GARRISON					.01			.02																		.03
GRAND FORKS CAA	//	.01								.02																.03
GRANO	//			.05	.15	.01			.01					.01												.23
KRAMER 5 SE					.01	.01		.01			.02	.03														.08
MC GREGOR RR STATION		.07	.06	.09	.01	.01																				.24
MINOT CAA	//				.08																					.08
PEMBINA CAA	//															.05	.01									.06
RIVERDALE									.03	.01																.04
SARLES 3 E	//						.03		.01			.35	.03			.03										.45
WILLISTON WB CITY			.04																							.04
													–26th–													
ASHLEY	//																			.03	.06					.09
BALFOUR R R STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOWMAN COURT HOUSE	//	.02	.03	.05																						.10
DICKINSON CAA		.01				.02											.07	.01								.11
EDGELEY EXP FARM																					.17	.08	.02			.27
FARGO WB AIRPORT	//																						.02	.63	.18	.83
GLEN ULLIN							.02	.02																		.04
GRANO	//																				.03	.01				.04
HANNAFORD																						.49	.18	.06		.71
HAZELTON R R STATION	//																		.02	.02						.04
HURDSFIELD																						.09				.09
KRAMER 5 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC GREGOR RR STATION																					.05		.01	.01		.07
MOTT RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES WATER WORKS																						.56	.51	.05		1.12
PEMBINA CAA	//																		.01							.01
SARLES 3 E	//																.02	.01								.03
WAHPETON POWER PLANT																								.20	.19	.39
WILLISTON WB CITY																				.19		.09				.28
													–27th													
FARGO WB AIRPORT	//	.08																								.08
KRAMER 5 SE		-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES WATER WORKS		.01	.02	.01	.01																					.05
WAHPETON POWER PLANT		.09				.02																				.11
													–28th–													
SARLES 3 E	//																								.21	.21
													–29th–													
BOWMAN COURT HOUSE	//													.14												.14
DEVILS LAKE W B CITY																					.13	.01		.16	.74	1.04
DICKINSON CAA																					.02					.02
GLEN ULLIN																	.03									.03
GRAND FORKS CAA	//																					.11	.16			.27
HANNAFORD																				.01	.06	.16	.02	.01		.26
HURDSFIELD																			.07	.02						.09
MANDAN EXP STATION																	.34	.12								.46
MOTT RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA	//																					.03	.04	.01		.08
SARLES 3 E	//																				.40	.08				.48
													–30th–													
DEVILS LAKE W B CITY		.03																								.03
GRAND FORKS CAA	//	.08	.33	.01																						.42
MOTT RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DELAYED DATA

DECEMBER 1948													–5th–													
KRAMER 5 SE								.02			.01															.03
													–6th–													
KRAMER 5 SE			.01	.01				.01																		.03
													–8th–													
KRAMER 5 SE																							.04	.01		.05
													–10th–													
KRAMER 5 SE									.01	.02	.01	.01	.01	.01	.01	.01	.01									.10
													–13th–													
KRAMER 5 SE		•	•	•	•	•	•	•	•	.08																.08

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

DELAYED DATA

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
DECEMBER 1948 CONTINUED																									
—15th—																									
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—31st—																									
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JANUARY 1949																									
—1st—																									
BALFOUR R R STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—3d—																									
EDGELEY EXP FARM												.01	.02	.01	.01	.01		.01	.01						.08
OAKES WATER WKS																								.04	.04
OMEMEE 3 SE																			.01	.01				.01	.03
—4th—																									
EDGELEY EXP FARM												.07	.05	.03	.03		.01	.01							.20
SCOTT RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES WATER WKS	.06	.04						.01	.02	.03	.02	.05	.01	.02	.01										.27
OMEMEE 3 SE																	.01	.02	.01	.03	.01	.02	.01	.01	.12
—5th—																									
EDGELEY EXP FARM									.01	.01				.01		.01	.01		.01		.01				.07
SCOTT RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES WATER WKS								.01	.01	.01								.01	.01						.05
OMEMEE 3 SE		.02	.04	.06	.09	.05	.03	.03	.01	.01	.02														.36
—6th—																									
OAKES WATER WKS									.02																.02
—8th—																									
SCOTT RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OMEMEE 3 SE		.01		.01	.03	.02			.01			.01	.01	.01											.11
—15th—																									
SCOTT RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OMEMEE 3 SE					.01			.01	.03																.05
—19th—																									
OMEMEE 3 SE																								.01	.01
—20th—																									
EDGELEY EXP FARM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OAKES WATER WKS													.02						.01					.01	.04
OMEMEE 3 SE	.01	.01	.01															.01							.04
—21st—																									
OAKES WATER WKS		.01	.02																						.03
—22d—																									
EDGELEY EXP FARM	*	*	*	*	*	*	*	*	.12																.12
OAKES WATER WKS																		*	*	*	*	*	*	*	
—23d—																									
EDGELEY EXP FARM										.01	.01	.01													.03
SCOTT RR STATION	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.08									.08
OAKES WATER WKS	.07																								.07
OMEMEE 3 SE			.01	.01					.01				.01			.01			.01	.01	.01			.01	.09
—24th—																									
EDGELEY EXP FARM											.01	.01													.02
OMEMEE 3 SE			.01																						.01
—29th—																									
EDGELEY EXP FARM												.02	.02	.01											.05
OAKES WATER WKS								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OMEMEE 3 SE																						.02	.02		.04
—30th—																									
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OMEMEE 3 SE				.02																					.02
—31st—																									
BALFOUR R R STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES WATER WKS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEBRUARY 1949																									
—2d—																									
OAKES WATER WKS											.02	.02	.01	.02	.01	.01									.09
—4th—																									
OAKES WATER WKS																							.02		.02
—5th—																									
OLVA												.01	.01	.04	.02	.02	.01	.01			.01				.13
OAKES WATER WKS	.01	.01																							.02

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

DELAYED DATA

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
FEBRUARY 1949 CONTINUED																									
												–6th–													
GOLVA								.02	.01	.01		.01													.05
												–8th–													
OAKES WATER WKS			.02	.01																					.03
												–9th–													
GOLVA		.01		.01	.01		.03																		.06
OAKES WATER WKS																							.01	.01	.02
												–10th–													
GOLVA						.01					.01														.02
OAKES WATER WKS									.01	.01	.01														.03
OMEMEE 3 SE															.01	.02	.05	.04					.01		.13
												–11th–													
GOLVA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OMEMEE 3 SE				.01														.01		.02				.01	.05
												–12th–													
GOLVA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
												–13th–													
OAKES WATER WKS												.02													.02
OMEMEE 3 SE		–	–	–	–	–	–	–	–	–	–	–												.02	.02
												–16th–													
GOLVA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
												–18th–													
GOLVA															.01	.01	.01		.02		.01				.06
												–19th–													
GOLVA	.01		.01		.02			.01	.01	.01	.01	.01	–	–	–	–	–	–	–	–	–	–	–	–	–
												–24th–													
OAKES WATER WKS	.09	.05	.02	.03																					.19
												–28th–													
GOLVA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OMEMEE 3 SE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MARCH 1949																									
												–1st–													
GOLVA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OMEMEE 3 SE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
												–31st–													
GOLVA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OMEMEE 3 SE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
APRIL 1949																									
												–8th–													
RIVERDALE																								.01	.01
												–9th–													
RIVERDALE	.01	.02	.02	.06	.12	.15	.11	.07																	.56
												–21st–													
RIVERDALE	.01	.01																							.02
												–30th–													
RIVERDALE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MAY 1949																									
												–1st–													
ASHLEY	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GOLVA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GRAND FORKS CAA	–	–	–	–	–	–	–	–	–	–	–	–	.08	.07	.15	.09	.04	.04	.08	.03		.01	.01		
												–4th–													
GRAND FORKS CAA																.15	.06	.02	.02						.25
SEARING				.07	.15	.15	.13	.03																	.53
												–5th–													
GRAND FORKS CAA									.04	.07	.05	.14	.16	.04	.02	.01	.01	.01	.02						.57
												–12th–													
GRAND FORKS CAA																						.05			.05
												–13th–													
GRAND FORKS CAA													–	–	–	–	–	–	–	–	–	–	–	–	–
												–17th–													
SEARING	.02	.02												.14	.04	.01	.01						.03		.27

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
DELAYED DATA																									
MAY 1949 CONTINUED																									
											—18th—														
EARING	.01	.01	.01	.01						.01	.01	.01	.06	.04	.02		.02	.01	.01	.01					.24
											—22d—														
EARING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
											—30th—														
EARING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-
											—31st—														
AND FORKS CAA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EARING						.01	.08	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.14	.23

ble 5

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	70	74	63	76	85	74	70	75	84	94	93	69	70	74	76	75	66	64	83	78	85	85	76	80	82	80	76	89	95	82		78.1
	MIN	55	49	48	40	52	45	43	49	54	56	61	61	43	43	46	50	51	41	50	58	49	57	56	52	45	45	56	47	66	51		50.6
AMIDON	MAX	70	71	67	78	80	76	73	82	89	98	99	85	74	74	81	80	75	60	82	77	88	88	77	80	80	89	76	93	94	83		80.6
	MIN	50	44	43	34	49	51	46	43	43	60	66	55	41	48	47	49	44	41	47	50	46	51	50	47	52	46	47	45	62	48		48.2
ARVILLA STATE PARK	MAX	79	78	70	69	85	79	73	66	85	90	95	90	72	77	71	74	72	72	68	80	84	85	83	86	81	81	78	86	91	84		79.5
	MIN	59	51	50	46	47	46	29	49	48	60	62	61	42	43	46	45	55	37	52	57	45	60	54	55	57	55	63	48	68	59		51.6
ASHLEY	MAX	78	72	72	68	69	81	70	67	70	77	83	88	78	68	78	71	78	63	76	79	75	87	88	80	80	78	85	75	82	90		76.9
	MIN	55	50	50	44	50	48	39	50	56	59	61	62	40	39	42	51	55	39	48	53	48	56	53	53	58	46	63	43	65	60		51.2
BEACH	MAX	72	68	72	60	77	86	75	73	82	88	94	94	66	72	73	78	68	55	61	76	77	88	85	77	80	71	84	73	91	93		77.0
	MIN	52	45	46	39	46	53	51	50	49	59	60	54	41	46	50	53	47	42	48	54	44	53	50	48	52	48	50	41	55	44		49.0
BELCOURT INDIAN RES	MAX	69	67	55	65	77	68	68	70	79	89	92	68	70	68	64	61	62	64	61	73	79	78	74	76	74	74	69	81	90	86		72.4
	MIN	49	43	45	42	52	42	38	49	56	57	55	53	40	42	41	42	47	33	48	53	41	53	50	49	52	45	60	44	60	56		47.9
BELFIELD	MAX	68	73	60	78	86	78	73	83	92	98	98	82	73	75	82	74	61	62	81	77	88	87	76	81	76	84	72	92	95	87		79.7
	MIN	50	41	43	35	44	46	42	43	44	54	57	46	37	43	41	50	43	37	46	50	40	50	45	45	46	41	49	35	48	49		44.7
BISBEE	MAX	67	69	57	70	79	73	68	72	81	91	93	72	73	70	66	63	63	68	62	79	82	80	77	81	73	78	72	76	92	77		74.1
	MIN	54	46	47	42	51	44	35	49	49	59	58	56	41	43	40	43	43	48	50	55	46	56	52	50	54	48	61	45	55	56		49.2
BISMARCK WB CITY	MAX	79	79	79	78	87	73	82	75	83	90	92	71	71	74	72	77	77	77	77	80	78	85	85	85	85	86	84	79	88	96		80.9
	MIN	58	52	52	44	52	51	46	54	60	58	64	62	45	47	48	53	54	44	53	58	50	59	58	54	61	52	58	42	41	59		53.0
BOTTINEAU	MAX	68	64	59	70	77	73	69	73	79	90	92	84	70	68	63	62	61	65	56	72	81	80	74	76	70	74	68	80	90	80		72.9
	MIN	54	51	41	40	49	43	40	48	52	58	62	51	41	46	37	48	49	36	48	53	40	53	50	46	51	46	57	52	48	40		47.7
BOTTINEAU STATE PARK	MAX	65	68	60	66	74	68	67	74	81				70	69	65	66	67	68	60	66	80	79	80	79	75	70	65	79	90	80		71.5
	MIN	51	50	45	41	48	43	40	42	51	66	51	41	40	41	40	40	41	42	35	41		60					51	44	60			46.0
BOWBELLS R R STATION	MAX	69	61	67	54	75	76	68	69	78	82	92	90	65	71	69	59	60	62	78	67	76	84	81	82	76	70	73	68	85	91		73.3
	MIN	47	45	46	36	52	43	44	50	53	64	56	50	40	53	41	51	47	51	51	48	48			52	46	47	48	54	54	54		48.8
BOWMAN COURT HOUSE	MAX	66	70	67	75	81	80	71	78	88	93	93	90	68	72	80	83	82	63	76	75	88	89	74	79		90	89	92	92	87		80.4
	MIN	50	45	48	40	46	52	45	49	53	54	59	56	43	42	51	50	47	43	50	52	45	54	53	46	54	48	51	44	62	47		49.3
CARRINGTON	MAX	78	69	73	61	69	83	67	70	75	82	87	93	70	71	73	61	72	61	66	62	73	82	82	79	82	77	80	77	85	95		75.2
	MIN	56	50	49	45	45	41	39	47	54	59	60	61	42	47	43	45	49	39	49	49	47	55	52	54	59	48	52	48	58	57		50.0
CARSON 2 S W	MAX	71	73	80	78	85	72	70	79	84	93	95	85	70	76	80	77	66	64	88	80	90	88	87	82	78	85	75	93	100	83		80.9
	MIN	54	49	45	37	45	51	44	49	56	54	58	59	41	41	45	51	50	38	50	54	46	54	53	50	58	49	56	45	65	51		49.9
CAVALIER POWER PLANT	MAX	73	75	70	72	78	79	75	70	84	92	96	88	75	76	71	68	64	70	70	78	85	83	82	86	82	81	77	85	90	88		78.8
	MIN	60	50	50	45	51	47	32	49	54	60	56	56	42	50	45	46	45	50	50	54	47	56	55	52	55	54	49	56	65	68		51.6
CENTER	MAX	69	75	62	75	84	76	71	74	85	92	92	71	72	73	71	79	69	64	78	76	83	83	78	81	75	83	76	98	95	82		78.1
	MIN	50	44	44	38	49	48	35	40	58	54	56	60	47	43		47	51	37	50	56	45	54	53	45	48	44	51	40	64	55		48.5
COOPERSTOWN	MAX	73	75	70	68	85	76	70	68	78	86	95	84	69	77	71	72	70	69	61	76	83	86	81	86	80	80	76	86	95	90		77.9
	MIN	57	50	49	47	49	46	39	50	55	58	60	60	41	46	43	47	55	39	50	57	47	54	54	51	56	50	62	46	64	61		51.4
CROSBY	MAX	72	62	67	54	81	79	72	74	80	86	94	90	67	76	70	55	56	60	65	62	72	82	79	75	75	69	71	70	87	90		73.1
	MIN	50	47	45	38	44	42	49	51	53	59	64	49	42	48	42	36	42	39	45	47	46	49	51	51	51	43	54	43	52	42		47.1
DEVILS LAKE W 8 CITY	MAX	67	73	60	68	82	64	69	71	82	90	95	68	70	72	64	67	60	65	58	76	83	82	80	83	77	80	75	88	95	76		74.7
	MIN	55	51	49	47	55	45	40	53	55	61	62	49	45	49	44	47	47	41	50	56	51	58	56	56	60	52	56	51	60	58		52.0
DICKINSON CAA	MAX	69	73	60	77	86	74	72	78	88	95	96	68	70	74	79	73	55	60	80	77	87	87	78	80	78	86	75	92	96	81		78.1
	MIN	54	46	44	37	51	51	47	48	53	56	61	48	43	48	47	50	42	39	50	54	46	55	52	51	50	46	46	41	56	47		48.6
DICKINSON EXP STATION	MAX	69	70	72	60	78	87	75	75	78	89	98	98	70	73	75	78	73	58	64	80	77	88	87	77	80	77	87	74	93	96		78.5
	MIN	53	43	45	34	45	47	46	47	49	51	60	57	39	43	42	35	43	41	43	56	40	50	48	48	54	43	53	36	63	47		46.7
DRAKE	MAX	78	67	71	58	71	81	67	69	75	81	92	94	66	70	71	60	66	59	63	65	75	82	79	77	81	73	80	72	84	94		74.0
	MIN	55	48	48	47	51	58	41	53	58	61	62	58	46	48	46	48	52	40	48	50	48	56	55	54	58	50	61	48	64	57		52.3
DUNN CENTER	MAX	70	79	81	71	82	93	82	76	84	91	98	104	72	78	78	72	71	61	63	79	81	89	91	82	86	81	79	78	97	103		81.7
	MIN	52	41	42	32	38	37	43	46	46	49	50	56	41	48	42	42	45	40	46	50	42	49	56	46	53	43	47	40	47	52		45.4
EDMAN	MAX	73	63	69	55	73	78	67	68	74	80	91	93	63	72	70	61	60	62	67	60	75	82	76	75	77	71	73	71	82	91		72.4
	MIN	53	46	49	46	47	43	43	47	55	62	62	57	42	48	41	45	50	36	48	50	44	54	52	50	56	47	59	45	58	55		49.7
EDGELEY EXP FARM	MAX	72	77	72	70	78	79	70	72	79	89	96	88	71	80	70	79	67	74	75	77	83	88	83	85	80	83	78	85	94	85		79.3
	MIN	55	50	50	49	47	46	35	45	57	56	58	62	39	40	43	49	56	39	54	58	50	55	55	53	55	47	63	45	64	63		51.3
EDMORE 1 W	MAX	66	71	64	65	80	80	68	67	81	88	93	72	70	72	64	65	64	68	62	76	81	78	78	82	76	77	78	83	92	82		72.8
	MIN	58	48	47	43	45	42	36	50	52	59	59	53	42	48	40	44	51	37	50	55	46	56	53	49	54	49	60	46	64	59		61.6
ELBOWOODS	MAX	68	74	69	76	84	73	73	72	83	96	99	70	70	73	59	68	61	66	64	76	86	84	78	78	74	76	79	89	96	84		76.6
	MIN	51	42	47	35	44	39	44	49	44	62	53	42		48	41	46	49	50	48	51	42	46	46	42	51	40	42	39		36		45.3
ELLENDALE NORMAL SCH	MAX	72	70	71	72	86	69	70	69	72	88	97	80	70	71	69	80	71	72	77	82	86	90	86	86	84	86	78	85	93	84		78.9
	MIN	55	54	52	48	46	49	36	59	57	56	58	62	45	41	48	49	59	47	55	61	52	58	57	52	56	52	63	49	55	48		52.6
EPPING	MAX	68	71	68	78	81	78	75	83	89	95	95	80	77	74	65	61	58	65	72	76	81	81	77	78	71	71	71	91	92	77		76.6
	MIN	49	44	46	38	42	43	47	49	54	62	61	48	43	49	45	47	46	37	38	47	48	58	48	49	50	43	53	44	65	43		47.9
FARGO WB AIRPORT	MAX	80	76	73	64	87	66	72	67	79	88	94	74	68	77	66	74	70	68	65	73	81	89	87	85	83	83	79	84	90	84		77.5
	MIN	59	55	51	50	48	45	36	53	58	62	63	53	45	53	47	51	51	44	54	56	50	60	59	54	61	54	58	51	67	60		53.6
FESSENDEN	MAX	67	71	65	68	80	74	69	74	80	89	90	69	68	70	69	68	67	73	66	74	80	79	76	80	75	79	78	83	92	86		75.3
	MIN	57	60	49	46	48	44	40	53	58	61	49	57	45	47	46	46	51	40	50	66	50	55	57	54	49	54	52	49	52	58		51.4
FORMAN	MAX	81	76	75	70	85	78	76	70	81	87	92	86	72	80	74	79	77	72	72	76	83	87	85	82	83	84	79	85	93	87		80.2
	MIN	56	56	52	48	49	49	38	49	49	69	63	67	49	52	45	48	56	44	45	61	51	57	57	54	58	55	64	50	53	69		53.8
FORT YATES	MAX	74	75	70	75	85	75	70	75	80	86	94	85	75	80	80	81	78	72	85	88	85	87	84	83	80	88	80	90	98	86		81.5
	MIN	55	52	53	44	51	55	42	51	66	54	70	63	40	41	43	42	58	38	54	57	48	56	54	51	59	47	58	49	68	58		52.6
FOXHOLM WILDLIFE REF	MAX	70	70	65	76	78	72	70	77	82	91	97	88	72	71	69	61	61	67	62	74	83	82	75	78	77	75	87		93	91		76.3
	MIN	49	45	48	42	57	44	40	44	52	62	53	50	44	51	43	45	50	39	49	54	49	49	53	53	53	49	55		59	52		49.4

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5–Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FULLERTON	MAX	81	79	75	72	86	73	74	76	78	91	97	83	72	81	69	82	71	76	75	78	86	93	87	87	87	87	79	86	96	85		81
	MIN	56	54	55	44	45	47	35	49	57	61	57	65	45	45	45	45	57	43	54	60	51	58	57	53	56	50	63	47	66	64		52
GACKLE	MAX	70	75	75				83	72			90	89	68	67	76	76		67	72	76	78	86	80	82	78	80	75	83	92	89		78
	MIN	54	52	48				49	52			57	60	44	48	63	53		42	50	54	52	50	55	52	57	48	62	46	64	59		63
GARRISON	MAX	68	73	69	76	83	74	71	76	83	95	96	78	72	72	71	69	67	63	73	77	84	84	78	80	78	81	74	87	96	90		77
	MIN	51	45	48	39	47	45	42	49	60	59	60	57	44	48	44	48	48	41	50	57	46	52	52	50	55	46	59	44	65	55		50
GRAFTON STATE SCHOOL	MAX	75	77	74	69	83	80	70	71	85	96	95	93	72	76	71	67	69	69	67	79	84	83	83	86	82	79	79	85	91	90		79
	MIN	59	51	48	46	50	45	32	48	52	58	60	58	44	46	62	46	58	40	51	54	46	55	55	50	59	51	49	48	64	60		51
GRAND FORKS CAA	MAX	77	78	67	66	86	65	70	65	81	87	93	74	70	76	69	72	65	68	64	76	83	85	82	85	83	81	79	84	89	79		76
	MIN	59	54	52	45	49	42	36	50	56	61	61	50	42	49	45	50	45	40	53	56	49	57	56	54	60	54	57	49	63	57		51
GRAND FORKS UNIVERSITY	MAX	78	78	79	67	86	64	70	64	80	87	93	76	70	78	68	72	65	68	64	74	84	86	83	86	83	80	79	83	89	80		77
	MIN	59	59	52	45	48	43	36	51	54	59	62	49	42	49	46	50	47	40	52	56	49	56	57	53	59	55	58	49	64	56		51
GRANVILLE	MAX	68	71	66	73	81	79				92	93	68	71	71	69	62	62	66	64	76	82	81	79	78	77	77	74	85	94			75
	MIN	50	46	47	39	51	53			55	41	66	57	43	47	47	46	49	48	50	57	46	63	51	50	56	47	58	47	67			51
GREMORA	MAX	68	70	65	80	80	77	78	82	89	94	90	89	74	77	72	84	82	62	64	70	64	80	79	75	68	88	80	91	89	84		78
	MIN	50	48	44	37	55	40	46	58	53	64	48	44	46	40	51	50	45	35	48	40	46	48	48		45	44	43	53	60	46		47
HANKINSON R R STATION	MAX	85	84	71	79	78	85	68	72	64	79	90	95	78	70	80	69	79	82	72	69	77	82	88	87	83	79	82	81	85	91		79
	MIN	57	55	55	50	48	50	38	49	52	58	66	69	48	52	50	51	54	42	52	54	56	56	60	57	59	57	59	55	54	67		54
HANNAH	MAX	68	68	58	69	77	72	69	70	81	92	94	70	72	71	68	66	62	67	59	73	74	80	82	85	80	78	73	82	89	88		74
	MIN	53	47	46	40	53	42	34	51	53	61	62	55	41	47	42	45	47	37	50	53	60	56	48	57	60	50	56	47	52	59		50
HANSBORO	MAX	70	70		70	78	64	69	72	82	91	93	67	74	72	66	63	60	68	61	76	80	79	77		79	71			88			73
	MIN	53	44		40			33	50	54	60	55	54	40	44	41	40	47	36	49	53	45	52	52		48	48				45		47
HILLSBORO	MAX	79	76	72	67	87	69	69	68	81	87	92	81	69	78	67	74	69	70	62	75	83	89	85	87	88	84	80	83	90	90		78
	MIN	59	56	51	49	45	49	37	47	51	57	62	57	44	51	47	49	57	43	48	56	52	55	59	50	63	54	63	49	67	61		52
JAMESTOWN CAA	MAX	73	76	66	69	85	70	71	74	82	88	94	75	70	76	65	75	63	71	67	77	84	88	83	86	81	83	77	86	97	82		77
	MIN	58	49	49	48	51	40	36	47	60	58	58	49	39	44	43	46	43	38	51	53	49	56	53	54	55	49	54	47	65	56		49
KENMARE	MAX	73	65	70	60	79	81	70	69	79	83	94	95	69	74	73	60	60	64	68	64	77	84	82	76	77	71	73	70	85	92		74
	MIN	49	47	46	38	55	43	45	52	56	64	57	52	44	51	45	42	46	39	47	47	49	51	51	51	55	47	55	49	61	48		49
KENSAL WILDLIFE REFUGE	MAX	70	68	58	57	79	76	71	68	76	85	85	72	68	72	70	72	70	60	63	62	82	82	79	76	75	74	75	83	92	90		73
	MIN	56	48	45	46	48	50	34	49	58	53	55	57	37	42	40	45	52	36	50	56	45	53	49	50	50	47	48	44	63	58		48
LA MOURE	MAX	75	74	72	70	85	78	70	70	87	90	90	86	71	78	65	78	72	76	72	75	85	90	88	86	87	81	84	85	95	86		80
	MIN	51	54	50	48	47	45	36	50	56	60	60	63	44	40		50	55	48	42	46	49	57	57	54	56	47	63	48	70	65		52
LANGDON EXP FARM	MAX	71	71	66	67	80	70	69	67	82	92	95	92	70	72	66	69	62	69	64	75	82	78	78	82	74	79	75	84	92	89		76
	MIN	56	45	45	41	50	40	32	50	53	60	57	54	38	45	40	42	48	35	49	53	45	56	50	48	52	50	61	45	62	58		48
LARIMORE	MAX	73	72	67	67	85	72	69	65	81	88	91	93	70	76	67	71	68	68	61	77	82	84	82	85	81	81	82	85	90	82		77
	MIN	59	52	51	46	52	48	35	50	52	59	63	60	45	48	45	47	54	43	50	57	50	57	58	55	59	55	63	50	65	59		52
LEEDS	MAX	76	72	69	73	82	70	71	76	85	92	98	77	74	72	68	69	71	70	67	84	87	84	85	83	76	83	76	87	96	87		78
	MIN	57	49	48	44	54	44	38	51	58	61	62	57	43	47	46	46	51	38	58	58	52	51	52	53	59	51	55	49	64	59		51
LINTON	MAX	75	77	70	77	87	77	73	75	82	91	94	87	70	81	75	81	73	72	84	82	87	89	82	86	81	84	80	88	96	86		81
	MIN	54	51	49	44	46	48	43	53	60	60	63	65	41	40	43	43	55	40	53	58	48	60	56	56	57	48	56	42	66	60		51
LISBON	MAX	80	81	77	75	76	87	70	68	69	71	82	93	76	73	80	67	80	70	66	73	75	82	89	85	85	83	81	78	83	91		78
	MIN	57	56	47	50	43	49	32	44	57	54	63	65	44	50	41	48	52	45	46	50	50	56	54	54	61	49	63	45	49	65		51
MADDOCK AGR SCHOOL	MAX	68	73	67	70	83	77	69	75	83	92	94	89	72	71	66	67	62	66	60	74	83	82	79	83	73	79	74	87	95	87		76
	MIN	57	46	42	42	52	44	36	51	57	59	56	58	41	42	41	41	51	36	50	57	41	54	55	54	50	49	58	44	64	66		49
MANDAN EXP STATION	MAX	77	70	74	62	75	85	70	72	77	83	91	93	73	69	74	72	77	57	65	79	77	85	86	86	83	78	84	77	89	98		77
	MIN	56	48	49	43	51	48	42	52	60	55	59	61	42	44	44	52	53	41	51	54	47	55	55	51	58	49	57	41	64	57		51
MANDAN FT LINCOLN PARK	MAX	73	78	73	78	88	81	73	77	87	94	96	90	71	78	74	80	77	67	82	82	87	88	81	87	80	86	80	90	101	86		82
	MIN	56	56	49	42	52	50	39	48	59	55	58	60	43	41	45	51	52	41	51	58	48	57	55	49	55	48	59	40	65	57		51
MARMARTH	MAX	70	72	66	68	86	75	72	82	88	96	96	91	71	75	80	82	73	67	80	77	90	90	80	83	80		90	94	97	84		81
	MIN	50	45	49	38	42	57	52	52	48	57	61	50	41	46	54	42	46	45	53	55	47	50	57	45	55		52	37	63	54		49
MAX	MAX	68	62	72	59	76	83	70	70	72	82	91	96	70	73	72	71	66	62	66	72	77	86	82	76	82	72	79	73	86	97		79
	MIN	50	46	52	42	47	49	41	49	53	58	61	58	46	47	52	46	48	41	49	50	41	52	54	52	55	47	55	45	52	51		49
MAYVILLE	MAX	76	70	69	68	81	78	70	66	79	87	93	90	71	77	72	74	72	70	64	76	82	85	83	85	83	81	79	85	90	87		78
	MIN	56	60	51	46	49	49	36	48	55	59	67	64	44	48	46	49	57	44	53	56	50	58	59	53	58	56	60	50	64	64		53
MC CLUSKY	MAX	74	68	72	59	77	82	68	71	75	83	92	92	67	71	70	63	70	63	63	71	75	83	83	77	83	73	80	78	85	93		79
	MIN	50	48	45	46	50	47	34	40	46	57	61	58	45	45	46	48	51	40	50	55	48	55	54	53	56	47	59	47	65	56		50
MC HENRY 5 N	MAX	68	74	69	67	83	70	69	69	81	87	93	83	69	73	66	70	67	65	60	75	81	81	78	81	78	79	74	84	94	85		75
	MIN	57	48	45	45	50	43	35	43	54	57	60	59	44	48	42	45	52	40	48	55	47	54	55	51	55	48	62	47	64	60		50
MC LEOD 3 E	MAX	83	80	77	75	69	86	78	67	78	89	95	86	69	80	65	77	73	74	72	75	80	89	85	84	83	82	79	85	93	85		79
	MIN	57	63	55	51	50	46	37	52	55	60	64	66	46	45	44	50	42	45	47	60	52	55	58	55	58	50	65	49	64	71		53
MEDORA T R N M P	MAX	72	75	72	80	88	83	77	84	92	98	99	85	75	76	81	73	66	62	81	78	90	90	80	81	80	89	81	94	97	94		82
	MIN	54	41	48	35	40	50	52	50	45	61	49	58	38	47	43	53	48	40	51	53	38	52	45	40	51	45	54	34	61	49		47
MINOT CAA	MAX	64	71	56	75	80	69	70	81	80	94	94	68	73	73	62	60	60	65	64	76	83	78	77	78	72	75	72	85	93	79		74
	MIN	50	48	50	43	55	46	42	51	58	63	59	50	43	51	50	47	49	41	51	53	45	53	51	55	58	49	52	47	65	52		50
MINOT EXP FARM	MAX	65	70	65	75	80	74	68	75	80	93	93	74	71	71	67	61	61	65	66	76	82	77	76	78	73	77	70	84	92	92		75
	MIN	50	49	49	42	55	46	45	50	58	63	58	56	45	51	45	46	49	40	50	57	48	53	52	53	55	48	57	46	64	54		51
MOHALL	MAX	64	69	58	75	77	70	70	76	80	91	90	79	72	70	63	60	62	67	60	74	82	78	74	77	70	73	70	84	91	76		73
	MIN	49	47	47	40	54	42	43	47	54	65	54	54	41	45	41	45	45	38	50	53	45	53	51	51	52	55	52	45	58	49		48
MOTT RR STATION	MAX	71	74	70	80	88	75	75	88	90	97	97	90	70	74	85	82	78	68	86	86	89	90	81	83	81	88	90	93	94	88		83
	MIN	54	45	45	38	42	46	45	49	52	55	52	54	40	35	43	52	50	38	50	56	44	52	52	45	55	44	40	36	62	49		47
MUNICH 4 SW	MAX	69	69	61	68	79	63	66	67	79	89	92	71	70	69	64	64	62	67	59	74	79	77	77	79	75	75	70	81	90	81		72
	MIN	55	46	47	41	49	41	35	49	55	59	58	48	41	45	39	43	38	47	50	54	45	56	51	49	54	49	45	49	62	59		48
NAPOLEON 2 SE	MAX	69	72	64	69	80	76	67	72	78	83	90	84	68	74	69	75	69	68	79	76	80	83	80	82	79	81	75	83	92	80		76
	MIN	54	50	49	43	51	46	37	47	58	58	64	62	39	42	41	50	53	36	48	59	50	56	54	54	54	40	54	41	64	57		50
NEW ENGLAND	MAX	72	75	76	79	88	76	77	81	91	97	98	82	75	76	85	77	75	64	84	77	89	92	92	82	82	90	77	94	96	93		83
	MIN	54	44	48	27	48	53	48	36	50	55	62	58	34	44	46	52	45	39		38	40	51	50	43	53	41	51	33	50	41		46
NEW SALEM 1 S	MAX	75	72	63	77	87	77	75	75	84	94	93	67	72	75	77	76	67	78	80	82	87	87	77	80	79	82	77	90	95	92		79
	MIN	49	48	49	41	41	49	37	49	53	58	61	44	41	45	47	48	49	45	49	56	51	56	52	50	52	49	57	53	49	53		49
OAKES WATER WORKS	MAX	85	80	78	75	72	88	71	72	70	77	88	94	77	71	81	66	79	71	73	74	77	85	90	87	84	84	85	79	87	93		79
	MIN	58	57	52	46	46	48	38	50	57	61	62	68	45	52	45	51	55	44	54	54	53	60	57	55	58	54	64	49	57	67		53
PARK RIVER	MAX	72	76	71	69	79	77	69	66	82	90	97	92	71	75	70	66	67	88	68	78	83	83	81	85	78	78	77	86	94	87		77
	MIN	60	52	51	46	46	47	32	41	51	62	60	58	43	51	46	45	53	41	52	56	48	60	59	55	58	54	63	52	81	61		52
PARSHALL	MAX	66	70	68	77	82	77	70	75	82	94	95	68	72	72	69	63	62	63	71	77	83	80	77	79	74	76	71	86	95	93		76
	MIN	51	40	45	33	44	39	45	46	54	56	54	52	36	45	40	44	48	36	49	53	41	46	47	45	51	40	54	37	62	51		46
PEMBINA CAA	MAX	74	75	61	68	80	63	69	67	80	93	96	73	72	76	68	68	63	70	60	78	83	81	81	83	74	79	80	85	89	81		75
	MIN	54	50	49	46	50	39	30	51	55	61	57	48	37	43	45	47	42	41	53	55	43	54	53	48	57	55	52	45	67	51		49
PETERSBURG	MAX	69	75	65	66	82	70	78	67	81	81	93	83	76	73	67	70	64	65	60	75	80	85	84	81	77	80	74	89	91	89		76
	MIN	57	51	49	48	50	45	35	44	54	60	62	58	42	47	43	46	52	41	49	56	48		55	51	57	52	56	48	64	56		50
PETTIBONE	MAX	70	74	64	71	84	74	70	76	79	85	92	81	73	75	68	75	64	68	69	75	83	85	79	84	82	82	84	84	96	84		77
	MIN	50	50	46	46	49	48	35	54	56	56	60	60	43	45	51	49	50	48	49	57	47	54	54	56	55	47	61	44	60	47		50
PORTAL	MAX	74	62	67	53	81	77	73	71	82	85	92	90	82	75	70	60	58	61	71	63	72	83	81	74	77	70	75	68	85	88		74
	MIN	48	44	45	36	51	40	46	52	54	65	57	49	48	53	41	37	46	36	49	46	45	49	48	48	55	44	50	44	60	45		47
RICHARDTON ABBEY	MAX	69	73	68	79	87	74	71	79	89	97	97	77	73	75	78	75	67	61	84	78	86	89	77	81	76	84	77	91	96	82		79
	MIN	52	50	45	37	48	49	44	47	54	55	62	56	42	44	46	51	46	42	48	55	48	53	50	52	55	47	55	48	53	42		49
RIVERDALE	MAX	69	67	61	68	76	84	71	72	74	84	94	96	62	72	74	67	66	62	66	76	75	83	82	77	79	75	81	75	86	95		75
	MIN	51	46	49	57	51	46	47	48	57	58	58	57	43	48	46	44	48	43	48	48	42	58	54	52	55	47	52	43	61	54		50
ROLLA	MAX	62	69	55	70	77	64	67	71	80	90	92	67	72	69	66	61	59	67	60	73	82	78	74	78	71	76	70	82	90	81		72
	MIN	52	46	45	43	52	44	37	51	56	61	57	54	42	45	45	48	41	49	54	49	53	50	52	50	55	45	58	58	58	49		49
RUGBY I N	MAX	74	72	68	71	80	77	69	74	82	94	95	85	73	72	69	61	62	68	66	77	83	81	79	80	76	77	75	85	93	90		76
	MIN	54	48	48	42	53	48	42	54	58	61	64	56	46	50	43	47	52	49	52	48	50	59	52	52	58	50	60	47	64	58		52

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SANISH	MAX	73	63	73	59	73	84	75	74	80	86	98	98	63	75	73	70	63	62	66	73	78	85	81	78	80	73	71	75	92	97		76.4
	MIN	53	41	48	35	41	48	43	47	53	59	63	57	37	42	40	51	51	35	43	51	41	47	46	47	51	41	48	38	49	50		46.5
SHARON	MAX	70	72	62	66	84	72	68	65	76	84	89	84	70	74	69	72	70	70	63	77	79	84	80	83	80	80	76	89	82	73		75.4
	MIN	54	51	48	45	51	45	38	50	52	60	63	54	42	48	43	48	54	39	50	57	48	57	56	53	58	51	52	63	58	56		51.5
STANLEY	MAX	66	69	54	77	80	72	70	78	80	94	97	70	74	70	59	59	59	65	67	75	84	80	78	76	69	74	68	85	92	72		73.8
	MIN	46	41	43	35	47	38	40	44	48	58	55	50	39	43	40	41	43	33	45	52	40	45	45	46	49	40	52	38	60	44		44.7
STEELE	MAX	70	75	62	71	84	69	69	73	80	85	89	75	70	75	67	68	66	67	74	76	80	82	78	81	77	81	76	83	92	79		75.8
	MIN	55	48	47	39									45			53	52	40	50	58	47	55	52	50	60	46	48	45	63	58		-
TOWNER	MAX	67	72	62	73	82	70	69	76	83	94	96	73	75	72	67	62	62	68	65	77	84	80	78	82	82	78	72	85	94	92		76.4
	MIN	52	45	48	47	52	43	40	39	59	62	63	53	44	49	41	45	50	38	51	51	45	49	53	50	49	48	57	40	64	55		49.4
TURTLE LAKE	MAX	69	72	64	73	83	74	70	74	85	91	94	75	70	72	68	70	67	63	72	76	83	83	77	80	77	81	79	86	93	80		76.7
	MIN	54	48	47	41	50	46	42	51	58	58	60	58	44	46	45	47	50	40	50	58	49	55	55	54	57	48	58	50	67	55		51.4
UNDERWOOD 12 W	MAX	69	73	60	78	83	71	72	76	85	93	95	82	74	74	68	71	70	65	76	76	84	84	85	80	84	84	72	90	96	86		78.5
	MIN	53	44	47	37	55	37	40	48	57	57	54	48	41	43	41	47	45	41	49	54	44	48	52	54	44	42	59	40	64	56		48.0
UPHAM WILDLIFE REFUGE	MAX	74	74	68	75	81	75	70	77	86	93	94	69	75	74	69	62	63	70	69	79	84	83	78	80	78	81	76	84	92	91		77.5
	MIN	49	43	46	44	52	42	41	48	55	59	41	54	40	47	36	47	48	35	49	56	44	53	50	47	54	46	57	43	59	50		47.8
VALLEY CITY	MAX	78	76	74	68	86	72	73	72	80	89	95	89	71	78	73	75	73	71	68	75	85	90	86	87	83	83	79	86	95	94		80.1
	MIN	57	53	50	49	46	49	40	50	55	60	61	66	47	46	46	50	55	42	55	57	49	57	57	55	59	50	63	45	63	64		53.2
VAN HOOK	MAX	74	72	69	78	83	73	73	78	85	96	97	82	74	74	68	64	63	63	72	79	84	81	78	79	74	77	74	89	96	83		77.7
	MIN	52	44	49	36	49	41	45	48	54	59	55	53	38	47	41	46	49	38	49	55	46	50	50	48	55	42	54	42	64	50		48.3
VELVA	MAX	68	71	65	76	80	77	70	75	83	93	93	74	72	73	68	62	61	63	65	76	83	76	76	80	75	77	73	85	94	87		75.7
	MIN	52	47	49	46	55	45	43	53	58	65	57	58	45	53	45	48	51	40	42	51	48	55	54	54	56	50	59	45	67	58		51.6
WAHPETON STATE SCHOOL	MAX	85	80	75	73	85	85	70	70	77	88	92	91	70	78	79	74	83	71	70	76	79	88	87	84	82	83	80	84	89	89		80.6
	MIN	58	55	53	50	47	48	36	51	54	62	64	66	46	52	45	52	58	44	55	61	53	59	59	56	60	52	65	52	75	75		55.4
WASHBURN	MAX	70	74	71	73	84	72	69	74	81	89	92	88	70	73	62	63	59	68	76	76	84	84	77	80	77	82	76	85	95	84		76.9
	MIN	48	52	49	56	50	46	45	53	61	59	64	60	46	49	44	51	51	43	50	60	49	58	56	50	59	50	60	49	68	57		53.1
WATFORD CITY	MAX	69	74	61	82	79	74	78	85	90	96	98	79	78	74	77	62	59	65	76	80	88	83	79	80	75	81	74	92	96	83		78.9
	MIN	51	46	48	38	43	46	58	55	52	62	58	53	43	48	46	48	48	40	51	50	49	51	51	50	53	44	53	44	67	47		49.8
WESTHOPE	MAX	64	70	57	75	69	71	70	75	80	94	92	67	72	74	65	67	63	69	68	77	85	71	77	80	78	81	71	83	92	84		74.7
	MIN	50	46	47	43	45	44	46	51	57	67	60	48	43	49	42	47	44	39	50	53	47	55	52	55	60	49	58	45	62	53		50.2
WILLISTON WS CITY	MAX	68	71	61	81	80	75	75	82	87	94	93	68	75	70	68	56	58	63	72	77	85	79	76	76	72	74	72	91	92	78		75.6
	MIN	53	52	45	40	54	45	55	55	55	66	66	51	45	51	49	49	47	41	52	51	50	52	53	53	52	48	54	49	62	51		51.5
WILLOW CITY	MAX	65	71	61	73	80	70	69	75	81	93	95	70	73	71	65	62	65	70	61	77	85	80	78	80	73	75	72	84	93	78		74.8
	MIN	52	45	49	44	44	46	41	50	57	62	62	54	45	48	43	45	49	40	40	57	47	55	52	50	57	50	59	44	60	58		50.2
WILTON RR STATION	MAX	72	68	73	59	73	83	72	69	72	81	88	91	66	68	71	66	70	55		74	74	82	81	76	81		80	74	84	94		74.9
	MIN	54	46	46	40	44	47	39	47	55	54	57	59	43	41	44	48	50	42		47	50	53	55	48	54		48	44	54	54		48.7
WISHEK	MAX	81	72	74	81	70	83	73	72	72	80	86	89		69	78	72	81	63	73	79	75	84	86	83	84		83	80	85	90		78.5
	MIN	55	50	49	42	48	47	36	48	57	57	57		38	37	42	51	55	37	48	55	45	57	51	54	56		43	41	65	59		49.3

DELAYED DATA

FEBRUARY 1949																															
ASHLEY	MAX	15	-08	8	2	4	7	7	12	5	10	12	33	2	0	12	13	22	40	4	3	6	20	35	35	14							12.5
	MIN	-21	-21	-21	-25	-25	-21	-16	-16	-10	-22	-16	-06	-14	-16	-10	-07	-05	-01	-04	-15	-09	2	5	3	-03							-11.7
BALDRILL OAM	MAX	10	-06	3	0			8	14	12	2	10			28	14	22	14	40			6	30	32	25	10			28				15.1
	MIN	-19	-22	-20	-27			-28	-08	-11	-28	-13			-16	-10	-10	-04	-03			-22	-03	15	-05	-08			-20				-13.1
BELBOWOODS	MAX	7	-05	-01	-03	5	4	13	2	15	10	29	5	4	28	27	16	13	5	7	6	15	23	17	20	24	26	25	23				12.9
GRAND FORKS UNIVERSITY	MAX	0	2	-05	-05	0	8	12	1	0	6	25	8	-04	11	20	6	31	25	-01	-01	12	25	26	15	17	26	11	6				9.9
	MIN	-16	-31	-32	-20	-26	-16	-10	-20	-21	-16	-06	-11	-15	-21	-03	-15	-20	-16	-15	-20	-23	-01	-08	-04	-08	8	18	1				-13.1
HANKINSON R R STATION	MAX	19	-01	5	1	8	4	10	15	7	7	11	34	5	0	15	30	20	39	7	5	5	21	32	34	14	30	32	13				15.1
	MIN	-12	-19	-23	-21	-20	-21	-12	-12	-14	-23	-24	4	-14	-20	-20	-04	-09	6	-07	-11	-15	-03	8	7	-02	-07	10	-15				-10.5
MARCH 1949																															
EDMORE 1 W	MAX	27	23	28	34	33	23	38	25	13	17	23	20	24	10	12	13	21	24	27	29	28	32	30	33	32	38	33	35	37	28	35	26.6
	MIN	0	0	18	14	15	-17	17	-12	-14	-14	-07	-03	-02	-18	-16	-10	-08	5	5	25	21	15	17	27	26	25	27	24	15	8	9	6.2
FETTINGER	MAX	23	21	31	35	42	45	45	37	17	21	30	35	35	36	37	37	35	43														
	MIN	-11	9	1	4	31	27	28	12	7	-10	-02	23	29	30	28	30	28	21														
FORT CLUSKY	MAX					40	34	36	37	5	13	20	29	28	14	6	18	16	22	22	31	33	30	36	33	31							
	MIN					26	14	21	-06	05	-03	0	5	3	-11	-10	1	-03	-01	12	19	23	22	20	29	28							
APRIL 1949																															
BALDHILL DAM	MAX	44			55	57	54	56	55			53	76	64	52	42			64	54	74	77	72			68	70	70	80	84	88		
	MIN	18			20	22	30	34	17			32	41	34	26	16			15	27	40	40	36			18	36	36	49	49	50		
DUBY 1 N	MAX																					79	65	56	69	68	65	81	83	86	83		
	MIN																		29	*36	44	46	39	31	25	40	41	41	39	54	53		
MAY 1949																															
LMONT 7 SW	MAX	60	80	73	66	64	67	72	74	70	82	83	86	74	73	82	79	76	59	47	66	68	62	50	70	69	79	73	85	87	76	72	71.7
	MIN	41	38	48	48	45	35	40	45	34	48	51	49	45	41	49	52	57	36	35	39	45	39	30	33	46	45	42	52	62	60	55	44.6
ISBON	MAX	84	51	77	87	68	56	64	70	77	67	78	78	85	75	74	79	82	80	48	48	60	75	72	56	64	67	76	71	69	80	85	76.2
	MIN	39	41	43	46	51	41	31	37	36	39	45	42	43	33	40	47	52	48	34	37	45	37	39	26	36	33	36	45	50	59	56	43.7

See reference notes following Station Index.

GPO CH F30 8-8-49 1,000

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J HAUMAN	3
ALMONT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 5
ALPHA 1 S	0149	GOLDEN VALLEY	7	48 37	103 49			7P	R A HURY	3
AMIOON	0209	SLOPE	1	46 29	103 18	2908	5P	5P	STANLEY W SALE	2 3 5
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 56	97 30	860	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	99 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOENSON	2 3 5
BALFOUR RR STATION	0492	MC HENRY	12	47 57	100 32			MID	C G THOMSON	3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F HOOGIN	2 3 5
BELCOURT INDIAN RES	0826	ROLETTE	9	48 50	99 45	1860	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0839	STARK	4	46 52	103 11	2592	7P	7P	CARL INDBRGAARD	2 3 5
BEULAH	0886	MERCER	6	47 16	101 47	1780			KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	98 22	1601	6P	6P	ROBERT L PETERSON	2 3 5
BISMARCK WB CITY	0814	HURLEIGH	8	46 48	100 48	1670	10A	10A	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	HURLEIGH	8	46 46	100 45	1650	MID	MID	U S WEATHER BUREAU	2 3 4 5
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	2 3 5
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1858	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O S BOOK	2 3 4 5
BREIEN	1052	MORTON	1	46 23	100 57	1718		8A	MELVIN NELSON	3
BUTTE	1225	MC LEAN	12	47 50	100 40	1740	6P	6P	M O ANDERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W SVENS	2 3 5
CASSELTON	1400	CASS	10	46 54	97 13	934	5P	5P	WALLACE G SWEENEY	2 3 5
CAVALIER POWER PLANT	1435	PEMBINA	8	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5
COGSWELL 6 W	1525	SARGENT	5	46 07	97 55	1291			JOHN WASDAHL	CLOSED
COLGATE	1686	STEELE	10	47 14	97 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 28	98 07	1428	5P	5P	B J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICHOLS	2 3 5
DAWSON	2018	KIDDER	8	46 52	99 45	1730		MID	LOUIS J HILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5
DICKINSON CAA	2183	STARK	4	46 48	102 48	2587	MID	MID	CAA	2 3 4 5
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMDARS	2 3 5
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY 8EP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 5
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	B W CASE	2 3 5
ELLENDALE NORMAL SCH	2605	DICKEY	5	46 00	98 31	1457	8P	8P	J S DEMMER	2 3 5
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BBACHLER	2 3 5
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS BDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAU	2 3 4 5
FESSENDBN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5
FORMAN	3117	SARGENT	10	46 06	97 38	1260	6P	6P	ART WATERMAN	2 3 5
FORT YATES	3207	SIOUX	8	46 05	100 38	1670	6P	6P	P J JACOBSON	2 3 5
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	D S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F D ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	MID	MID	MAE H VORACHEK	2 3 4 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	NICK GAUER	3 4
GOLVA	3556	GOLDEN VALLEY	7	46 44	103 59	2781	7P	6A	CHESTER K PUDA	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5
GRAND FORKS CAA	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	CAA	2 3 4 5
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROHLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN KISSE	3
HANEINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	ROMER A HENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1568	6P	6P	A B PRIOR	2 3 5
HANSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W S DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	H J REYNOLDS	3
HAZELTON RR STATION	4083	EMMONS	8	46 29	100 17	1978		MID	EPHRAIN ZACHER	3 4
HETTINGEH	4178	ADAMS	3	46 00	102 38	2675	6P	6P	EDGAR MARTIN	2 3 5
HILLSBORO	4203	TRAILL	10	47 24	97 04	901	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS H RUTH HDCHWITZ	3 4
JAMESTOWN CAA	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	CAA	2 3 4 5
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	THEO F ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAU	12	48 39	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	JESSE P PHILLIPS	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5
MADDOCK AGR SCHOOL	5434	HENSON	11	47 58	99 30	1604	6P	6P	HENSON CY AGR SCHOOL	2 3 5
MANDAN 8EP STATION	5479	MORTON	4	46 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	6P	S P GRANE	2 3 5
MAX	5638	MC LEAN	8	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5660	TRAILL	10	47 30	97 19	875	6P	6P	H A RAGAZ	2 3 5
MC CLOSKY	5710	SHERIDAN	8	47 29	100 29	1843	11A	11A	J A HAMILTON	2 3 5
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MID	HARTVIN H HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	98 35	1509	8P	8P	C E HLASKY	2 3 5
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	H H KNIEFEL	3
MEDINA 1 W	5788	STUTSMAN	8	46 53	88 19			6P	RUDOLPH GRAF	3
MEDORA STATE PARK	5808	HILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	2 3 5
MEDORA TRMNP	5813	BILLINGS	7	46 58	103 30	2250	5P	5P	U6 FOREST SERV	2 3 5
MILNOR	5833	SARGENT	10	46 16	97 28	1117	6P	6P	E W WILSON	CLOSED
MINOT CAA	5988	WARD	12	48 15	101 17	1724	MID	MID	CAA	2 3 4 5
MINOT EXP FARM	5893	WARD	12	48 10	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	8025	RENVILLE	12	48 46	101 31	1638	8P	9P	IVER JOHNSON	2 3 5
MONTPELIER	6105	STUTSMAN	5	46 42	88 35			8A	ROLF HANSON	3
MOTT RR STATION	6155	HETTINGBR	1	46 22	102 20	2440	6P	6P	NORTHERN PAC AGT	2 3 4 5
MUNICH 4 SW	6185	CAVALIER	2	48 38	98 53	1588	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 2 SE	6255	LOGAN	8	46 28	99 43	1955	7P	7P	GLADYS J PETERSON	2 3 5
NEW ENGLAND	8315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA B RATCH	2 3 5
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	98 15	1550	6P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2183	6P	8P	WM F GAEBE	2 3 5
OAKES WATER WORKS	6620	DICKEY	5	46 08	98 05	1318	8A	8A	C M HAGEN	2 3 4 5
OMEMEE 3 SE	6703	BOTTINEAU	12	48 39	100 20			MID	ARTHUR H VOLLMER	3 4
PARK RIVER	8857	WALSH	10	48 23	97 45	888	5P	5P	MARTIN BEVERBON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1928	6P	6P	C 8 SHUBSRT	2 3 5
PEMBINA CAA	6847	PEMBINA	10	48 57	97 15	782	MID	MID	CAA	2 3 4 5
PETERSBURG	7027	NELSON	10	48 01	88 00	1524	7P	7P	T C DVERLAND	2 3 5
PETTIBONE	7047	KIDDER	8	47 07	99 31	1856	7P	7P	L H DSTHLOFF	2 3 5
PORTAL	7201	BURKE	12	48 00	102 32	1954	9A	9A	U S CUSTOMS SER	2 3 5
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	S J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	7P	7P	ASSUMPTION ABBEY	2 3 5
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO H FAGERLUND	2 3 5
RUGBY 1 N	7704	PIERCE	12	48 23	100 00	1542	9P	9P	BOYD C HAWK	2 3 5
RYDER	7749	WARD	8	47 55	101 40	2108		9A	S C SCHELLENBAUM	3
SANISH	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	N J HUGGB	2 3 5
SARLES	7944	CAVALIER	8	48 57	99 00	1585		MID	CLARENCE J OLSON	3 4
SEARING	7944	MC KENZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE	7952	SIOUX	8	46 02	100 56	2183		7P	J B SMITH	3
SHARON	7986	STEELE	10	47 36	97 54	1516	8P	8P	HUGH LYON	2 3 5
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647		6P	D S CUSTOMS SERV	3
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE M PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST 8 RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUMEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1938		8P	ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W WATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCR	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962		MID	NEWTON O JONES	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCE	2 3 5
WALHALLA	9155	PEMBINA	9	48 58	97 55	966		7P	PETER PAULUS	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5
WESTROPB	9333	BOTTINEAU	12	48 55	101 01	1508	6P	6P	RBV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JONATHAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 35	1877	MID	MID	U S WEATHER BUREAU	2 3 4 5
WILLOW CITY	9445	BOTTINEAU	12	48 36	100 17	1471	8P	8P	D M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISHEB	9515	MC INTOSH	8	46 16	99 34	2010	8A	8A	H M LARSON	2 3 5

‡ DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See reference notes following Table 1.
See Table 6 following Table 2.
See Corrections following Table 3.

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VT
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Nat Hist

JUN 20 1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

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JULY 1949

Volume LVIII No. 7



NAT. HIST.

CHICAGO: 1949

NORTH DAKOTA - JULY 1949

F. J. Bavendick, Section Director - Bismarck

GENERAL SUMMARY

July experienced near normal temperatures and above normal precipitation. However, rainfall was to late to do much good for small grain crops in the southwest. Crops were spotty in the southern hal to very good in the north-central counties. Crops deteriorated some in the northwest and northeas due to lack of rainfall.

Temperatures over the State were near normal averaging 0.7 degree above in the east, 0.4 degree belo in the central, and 0.5 degree below in the west. They were quite favorable for crop growth excep for some very hot weather on the 2nd, 16th, and 23rd in which most stations had temperatures abov 100 degrees. There were no prolonged heat waves however.

Precipitation varied widely over the State with the Eastern Division averaging 2.19 inches above nor mal, the Central Division 0.47 inches above, and the Western Division 0.60 inches above normal. Som stations in the west, north-central, and northeast counties reported below normal precipitation fo the month. Departures ranged from 1.24 inches below normal at Towner to 7.27 inches above normal a Valley City. Washing and flooding rains occurred in several localities in the southeast during th month.

Crops generally made good growth under favorable weather conditions. The southwest sections were un able to recover to any great degree from the drought conditions in June. Spring wheat ranges fro quite poor in the southwest to very good in the north-central sections. In some sections in th northeast and the northwest the crops deteriorated from lack of rain. Corn made good growth durin the month and is considered good in nearly all parts of the State. Flax, sugar beets, and potatoe were good to very good; however, some beets were damaged by wet weather. Pastures were dry in th southwest at the beginning of the month with above average shipments of livestock. They improved dur ing the month as more rainfall was received so that pastures and livestock finished out the month i good to excellent condition. Harvesting in the southern half of the State became general about th 4th week and was beginning in the northern sections by the end of the month. The hot weather at th beginning of the month helped to destroy the Aphids (or green bugs) which had been doing considerabl damage. Some damage by grasshoppers was reported from some northern counties. Many areas over th State suffered crop damage from hail, rain, and windstorms.

There were a number of locally severe storms during the month reported from nearly all sections o the State. From the standpoint of property damage (excluding crop losses) perhaps the outstandi one was the hailstorm that struck the northern sections of Bismarck on the afternoon of the 26th. I this storm there were stones ranging up to 2 1/2inches in diameter driven by a strong northerly win Estimates of damage to cars,windows, roofs, paint and siding on north and east sides of houses range up to a million dollars. It was the worst storm to strike the city in 25 years. Other storms ov the State may have been as severe but they did not strike any large metropolitan areas and as a re sult did not receive the publicity. One man was reported injured on the 20th in a wind storm ne Beulah when a stone smokehouse behind which he had taken refuge was blown over. Heavy rain at Litc ville on the 27th washed out road and railroad culverts and caused other damage.

TEMPERATURE

The mean temperature for the State was 69.5°, which is 0.5° above normal for the month. The month mean temperatures ranged from 73.6° at Wahpeton to 64.5° at Bowbells. The highest temperature re corded in the State was 111° at Fullerton, on the 3rd, and the lowest 30° at Mc Clusky on the 19th.

PRECIPITATION

The average precipitation for the State was 3.56 inches, which is 1.10 inches above normal for Jul The total amounts recorded at various stations ranged from 10.29 inches at Wahpeton Power Plant 1.17 inches at Towner. The heaviest rainfall reported in any one day was 4.15 inches at Forman the 28th.

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weatber stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at tbe request of tbe Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity wbicb were essential to tbe planning of floon control and related works by the Corps of Engineers. Tbis Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, bas been maintained by tbe Weatber Bureau tbrough working funds transferred annually to tbe Weather Bureau by the Corps of Engineers. Tbese transfers averaged about $250,000 per year hetween 1940 and 1944, and nearly $375,000 since tbat date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 tbe Bureau of Reclamation bas transferred about $25,000 per year to meet tbe increasing needs of their program in t Western States.

Previous to the introduction of tbis bulletin Series, data from Hydr climatic Network Stations were presented in bulletins (Hydrologic Bull tins) which were issued monthly for eacb of 8 drainage areas embrac the entire United States, but since the Network was estahlished to me the internal requirements of the Federal agencies referred to above, provision was made for public dissemination of tbe data, distributi being limited to cooperating agencies and to certain public reposit ies. A list of locations where reference copies of the Hydrologic Bull tin Series are available for inspection may be obtained upon applicat to Chief, U.S. Weatber Bureau, Washington 25, D.C.

Many other records publisbed in tbis hulletin have been made availat through the cooperation of various puhlic offices, private agencies, individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes—inches				Wind speed—m.p.h.				Relative humidity averages—percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 p. E.S.T.	Percent of possible	
BISMARCK AIRPORT	30.35	9	29.47	20	11.2	63	N	31	75	83	49	47	77	8
DEVILS LAKE	30.29	9	29.50	25	8.2	31	NW	21	--	--	--	--	70	37
FARGO AIRPORT	30.26	9	29.50	17	12.5	48	W	28	81	86	56	57	68	12
WILLISTON	30.34	9	29.34	16	7.6	40	NW	7	--	--	--	--	78	32

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	68.7	108	31	3.23	0	8
1893	69.5	112	35	2.04	0	7
1894	71.7	107	38	0.63	0	3
1895	66.1	102	29	2.90	0	8
1896	67.5	107	31	1.51	0	6
1897	68.9	109	38	4.43	0	9
1898	67.6	106	28	2.49	0	7
1899	68.3	109	32	2.34	0	6
1900	67.9	107	33	2.25	0	6
1901	70.8	110	40	4.28	0	6
1902	67.6	106	34	2.15	0	5
1903	66.7	109	26	2.23	0	7
1904	64.4	102	34	2.13	0	6
1905	65.6	100	32	3.78	0	8
1906	66.9	102	34	1.56	0	11
1907	65.8	103	31	3.06	0	9
1908	68.6	103	31	1.91	0	6
1909	67.1	99	34	2.73	0	8
1910	70.0	114	33	1.60	0	5
1911	65.1	107	23	1.70	0	6
1912	66.0	106	30	3.66	0	10
1913	65.6	103	35	2.22	0	8
1914	72.1	109	36	2.17	0	6
1915	62.3	97	30	3.13	0	11
1916	73.1	105	33	2.96	0	7
1917	70.9	114	27	1.54	0	7
1918	65.5	102	34	2.73	0	7
1919	71.2	105	37	1.86	0	5
1920	68.3	103	31	2.11	0	7
1921	71.4	110	35	3.07	0	7
1922	65.6	100	30	2.48	0	8
1923	71.2	103	35	3.05	0	8
1924	65.5	99	32	1.93	0	6
1925	66.7	106	29	1.35	0	6
1926	70.3	108	32	2.04	0	7
1927	65.4	97	28	2.84	0	9
1928	67.4	96	38	4.82	0	10
1929	70.6	109	34	1.27	0	5
1930	72.3	107	34	1.04	0	5
1931	70.6	111	37	3.03	0	8
1932	70.0	108	36	1.95	0	7
1933	71.9	109	36	2.00	0	7
1934	71.8	112	29	1.18	0	6
1935	73.8	110	45	4.41	0	10
1936	79.9	121	38	0.70	0	4
1937	71.7	111	40	2.93	0	9
1938	69.7	104	39	3.34	0	9
1939	72.6	108	37	1.81	0	7
1940	71.6	107	37	3.70	0	11
1941	70.8	106	34	1.76	0	8
1942	67.1	97	36	2.43	0	7
1943	70.5	103	41	2.72	0	8
1944	67.6	102	33	1.74	0	6
1945	67.8	102	30	2.31	0	9
1946	70.6	110	34	2.17	0	7
1947	70.4	103	33	1.79	0	6
1948	69.3	108	34	4.04	0	10
1949	69.5	111	30	3.56	0	10
PERIOD	69.0	121	23	2.46	0	7

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Snow, Sleet, Hail Max depth on ground	Snow, Sleet, Hail Date	.01 or more	.25 or more	
EASTERN DIVISION																		
ARVILLA STATE PARK	70.0		94	2	45	10+	7		4.26		1.07	27				13	5	
BALDHILL DAM	68.2M				42	1+			7.20		2.80	5	T			12	6	
CARRINGTON	67.3	-2.1	103	3	45	29	5		4.88	2.27	1.44	27				15	6	
CAVALIER POWER PLANT	69.3	0.3	97	16	45	10+	6		3.43	.79	1.32	25				10	4	
COOPERSTOWN	69.6	0.0	95	24	44	19+	6		7.09	4.50	2.96	27	T			12	9	
DEVILS LAKE WB CITY	68.6	1.2	96	16	44	19	4		1.58	- .99	.65	3				12	2	
EDGELEY EXP FARM	70.5	0.6	109	3	42	19	6		6.59	4.02	1.48	28				10	8	
EDMORE 1 W	67.4	-0.1	95	2	39	19+	4		1.84	-1.00	.37	25				11	2	
ELLENDALE	71.2	0.3	105	3	47	19+	10		5.05	2.40	1.94	8	T			10	4	
FARGO WB AIRPORT	71.3	3.2	98	2	47	22	8		4.95	1.52	1.63	5				15	6	
FORMAN	73.1	3.0	106	3	46	19	11		9.09	6.21	4.15	28				9	6	
FULLERTON	72.4	2.2	111	3	44	19+	11		4.78	1.90	1.27	6				11	5	
GACKLE	70.7M	0.7	99	2	43	19			5.39	2.71	1.31	28				10	6	
GRAFTON STATE SCHOOL	69.4	0.6	95	3+	42	19	6		4.69	1.93	1.51	24	T			19	6	
GRAND FORKS CAA	69.3	0.8	94	2+	45	22	4		3.78	1.00	1.22	28				15	6	
GRAND FORKS UNIVERSITY	68.8M	0.3	94	25	45	22	4		3.86	1.08	1.24	28				14	5	
HANKINSON RR STATION	72.3	0.9	107	4	47	30	8		4.27	1.40	1.72	6				8	3	
HANNAH	67.8	1.6	94	15+	39	20	4		2.04	- .39	.83	28				6	2	
HILLSBORO	70.7	0.0	97	2	46	22	6		6.95	4.31	2.50	5	T			12	8	
JAMESTOWN CAA	69.7	0.1	104	2	41	19	7		5.99	3.29	1.26	26	T			13	7	
JAMESTOWN STATE HOSP	71.4	1.8	104	2	44	19	9		6.96	4.26	1.60	7	T			13	9	
KENSAL WILDLIFE REFUGE	66.5		96	2	40	19	5		3.62		1.39	27				10	4	
LA MOURE	72.4		105	3+	43	19	11		6.81		2.35	6				9	7	
LANGDON EXP FARM	66.7	0.4	96	16	37	19	5		2.08	- .42	.75	25				9	4	
LARIMORE	69.6	1.5	94	2	46	19+	6		2.88	- .06	1.07	4				6	3	
LISBON	70.4	0.0	101	4	44	1+	8		3.35	.45	.60	6				13	8	
MAYVILLE	71.3	1.1	95	2	46	19	8		4.94	2.23	1.18	28				12	7	
MC HENRY 5 N	68.0	-0.1	98	2	44	1+	4		6.21	3.41	2.10	8	T			13	7	
MC LEOD 3 E	71.6	0.2	104	3	45	19	8		7.20	4.35	2.03	8				9	7	
MUNICH 4 SW	65.9		94	16	38	22	4		2.08		.81	25				11	3	
OAKES WATER WORKS	72.7	1.0	105	4	46	22	11		3.17	.32	1.24	28				11	4	
PARK RIVER	69.6	1.1	96	16	45	19	4		3.54	.93	.73	28	T			15	7	
PEMBINA CAA	67.0	-0.8	95	16	42	22	3		4.65	2.24	1.53	25				19	6	
PETERSBURG	67.7		93	2	42	19	2		4.88	1.92	1.33	27				17		
SHARON	68.6	-2.2	93	2	42	19	3		5.19	2.50	1.25	26	T			15	7	
VALLEY CITY	72.4	2.3	101	2	47	30	9		9.99	7.27	2.63	8				12	7	
WAHPETON STATE SCHOOL	73.6	2.7	104	3	48	19+	9		9.91	6.96	4.03	6				10	4	
DIVISION	69.8	0.7							5.00	2.19								
MIDDLE DIVISION																		
ASHLEY	70.4	0.7	106	4	44	22	7		5.81	3.15	1.70	13				10	7	
BELCOURT INDIAN RES	65.5		96	16	34	19	3		2.89		1.02	25				10	3	
BISBEE	67.2	-0.2	99	16	40	19	6		1.88	- .82	.74	25				8	3	
BISMARCK WB CITY	72.5	2.0	105	3	46	22	8		4.62	2.34	1.70	13				10	6	
BISMARCK WB AIRPORT	71.4	2.0	107	2	45	1	10		4.18	1.94	1.46	13				15	4	
BOTTINEAU STATE PARK	68.5		94	2	35	19	4		2.90		1.00	21				7	4	
CARSON 2 SW	71.9	1.1	105	2+	45	3+	15		3.10	1.11	1.41	13	T			5	3	
CENTER	69.2	-1.8	101	2	38	1+	11		2.79	.37	1.25	6				8	4	
DRAKE	69.9	-1.7	96	3+	45	29	7		1.58	- .72	.57	21				7	3	
ECKMAN	65.9	-2.1	95	17	38	19	3		2.35	- .01	.95	21				12	3	
FESSENDEN	69.2	-0.2	99	2	43	19	5		3.03	.46	1.96	3				9	2	
FORT YATES	72.0	-0.7	106	2	42	22	13		5.43	3.35	2.20	28				9	4	
FOXHOLM WILDLIFE REF	69.0	-0.7	100	16	37	19	8		2.82	.89	1.37	21				6	2	
GARRISON	70.6	1.4	99	16	43	19+	12		2.23	- .26	.55	20				11	3	
GRANVILLE	68.9	0.2	98	16	43	22+	7		3.19	.92	.93	21	T			9	5	
HANSBORO	66.2M	-0.1	97	16	35	19	3		2.55	.01	.81	25				9	4	
LEEDS	70.7M		99	2+	42	19	11		1.20		.70	28				7	1	
LINTON	72.7	0.0	103	2+	46	22	14		4.37	2.24	1.02	28	T			10	4	
MADDOCK AGR SCHOOL	69.0	0.1	96	16	39	19	6		2.86	.17	1.17	3				13	3	
MANDAN EXP STATION	70.7	-1.2	104	3	45	19+	8		4.32	2.01	2.01	13	T			8	4	
MANDAN FT LINCOLN PARK	72.7		108	2	41	22	14		4.00		1.48	13				10	6	
MAX	68.6	-2.8	98	17	41	23	8		1.98	- .56	.98	22				9	2	
MC CLUSKY	68.4	-2.0	102	3	33	22	7		1.73	- .76	.55	6				10	2	
MINOT CAA	68.6	-0.2	99	16	44	19+	5		2.37	.32	1.06	6				9	2	
MINOT EXP FARM	69.1		98	16	42	19	6		2.30		.69	6	T			8	3	
MOHALL	65.8	-1.7	98	16	41	19+	2		2.32	- .13	1.26	20				8	3	
NAPOLEON 2 SE	70.1	0.7	101	2	41	19	9		5.47	2.96	1.93	28				14	5	
NEW SALEM 1 S	71.9	1.1	106	2	46	21+	13		3.45	1.28	2.25	13				7	2	
PETTIBONE	69.9	0.4	104	2	42	19	6		4.10	1.36	.95	6	T			13	5	
RIVERDALE	68.8		96	3	44	19	9		2.41		.72	6				6	5	
ROLLA	66.8	0.1	96	16	39	19	3		2.80	.12	.98	28	T			9	3	
RUGBY	70.7		98	16	42	19	9		1.46	-1.22						6		
STEELE	69.0	-1.2	100	2	44	19+	6		2.80	- .02	.97	27	T			11	3	
TOWNER	69.0	-0.1	99	16	38	19	10		1.17	-1.24	.46	26				6	3	
TURTLE LAKE	69.6	0.1	97	2	42	19	7		3.28	.73	1.15	6	T			9	4	
UNDERWOOD 12 W	69.8	-2.1	100	2	38	1	12		3.08	.68	.93	12				9	5	
UPHAM WILDLIFE REFUGE	68.7		100	16	35	19	9		2.53		1.03	21				9	3	
VELVA	69.9	-0.1	98	16	40	19	6		1.52	- .80	.72	21				7	2	
WASHBURN	71.8	0.6	98	2	47	19+	8		1.64	- .98	.58	13				10	2	
WESTHOPE	67.5	-0.4	96	16	43	29	3		2.99	.67	1.21	21				9	2	
WILTON RR STATION	68.1	-2.3	100	3	43	19	5		2.57	.26	.72	8				9	4	
WISHEK	68.7M	-1.7	104	4	39	19	7		4.31	1.71	1.57	28				10	4	
DIVISION	69.4	-0.4							2.96	.47								

See reference notes following Station Index

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 SW	71.5		106	2	45	22	11		3.33		2.48	13				6	2	1
AMIDON	70.6	0.2	102	16	44	18	15		3.14	1.00	1.15	28	T			10	5	1
BEACH	69.3	-0.6	103	25	42	11	11		1.76	- .04	.61	28	T			7	3	
BELFIELD	69.1M	-0.9	101	2+	38	1	13		3.81	1.59	1.25	12				7	4	1
BOWBELLS RR STATION	64.5	-3.0	98	17	40	4	2		3.07	.84	1.15	21				9	3	1
BOWMAN COURT HOUSE	70.9	0.0	103	24	47	9+	13		2.95	.87	.80	27	T			11	4	
CROSBY	66.5	-1.4	104	17	41	1	8		3.10	1.02	1.22	21				7	4	2
DICKINSON CAA	69.9	0.9	101	2+	46	9	11		2.23	.02	.49	12	T			10	4	
DICKINSON EXP STATION	69.3	0.3	102	3+	40	9	10		2.84	.63	.82	13+				10	3	
DUNN CENTER	69.2	0.2	102	3+	38	1	13		3.00	.67	1.06	13				6	4	1
ELBOWOODS	68.1	-1.8	100	16	40	21	8		4.67	2.26	2.02	6	T			9	4	2
EPPING	70.7	-0.1	104	16	42	9	13		1.73	- .32	.70	21				6	3	
GRENORA	70.7	3.3	103	16	41	29	11		1.55	- .29	.76	21				4	3	
KENMARE	68.4	-0.9	98	17			8		1.90	- .40	.75	21				7	3	
MARMARTH	72.7M	1.5	105	24	45	9	16		1.69	- .22	.40	28	T			7	4	
MEDORA T R N M P	70.6		105	24	38	1	14		3.03		1.50	12				6	4	1
MOTT RR STATION	70.9	-0.7	105	24	42	22+	16		2.07	- .06	.48	13	T			9	3	
NEW ENGLAND	70.8	0.3	104	2+	34	20	16		1.80	- .33	.52	28	T			9	2	
PARSHALL	67.6	-2.0	97	16	36	1	9		3.94	1.72	1.01	13	T			11	6	1
PORTAL	66.1	-1.9	100	17	42	9	3		2.76	.69	1.25	21				7	3	1
RICHARDTON ABBEY	70.3	-0.8	102	2	45	22	11		3.76	1.30	1.90	13	T			9	3	2
SANISH	66.7	-4.0	102	17	38	1	10		2.88	.86	.82	28				10	4	
STANLEY	65.1		100	16	37	19+	5		2.00	- .13	.59	28				8	4	
VAN HOOK	69.3		101	16	43	1+	11		2.93		.63	21				11	6	
WATFORD CITY	70.1	-1.0	103	16	44	29	10		2.42	.42	.76	4				11	3	
WILLISTON WB CITY	69.6	0.7	102	16	47	9	8		1.71	- .18	.56	20				7	2	
DIVISION	69.2	-0.5							2.70	.60								
STATE	69.5	0.5							3.56	1.10								

REFERENCE NOTES

Ths four digit identification numhers in ths index numher column of the Station Index are assigned on a state hasis. Thsre will he no duplication of numhers within a State.

Delayed data and corrections will hs carried only in the June and December issues of this bulletin.

Stations appearing in the Index, bnt for which data are not listed in the tahles, are either missing or received too late to he included in this issue.

Unless otherwise indicated, dimensional units used in this hulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Tahle 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at tempsratures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, thess hygro metric values hefore and after January 1, 1949, cannot accurately be comhined without nscessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Tahle 4.

Amounts in Tahle 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tahles 3, 5, and 6 are for the 24 hours ending at time of ohservation. See the Station Index for ohservation time.

- \- No record.
- \+ And also on later dates.
- * Amount included in following msasurement, time distrihution unknown.
- // Gage is equipped with a windshield.
- 6 Precipitation measured at 6-hourly intervals, no recording gage.
- B Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or mors days of record missing; see Tahle 5 for detailed daily record.
- R Station equipped with recording gage only.
- S Storage precipitation station. Precipitation measurements, made at irregular intervals, will he puhlished in the June issue of this puhlication.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- Z Hourly amounts from a recording gage at the same site may he found in Tahls 4.

Suhscription Price: 15¢ per copy; $1.50 a year. (Yearly suhscription includes Annual Summary) Correspondence regarding suhscriptions should he addrssed to the Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois.

Table 3

DAILY PRECIPITATION

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S				.48			.22					.16								.30				.20			.48	.40				2.20
ALEXANDER 8 R STATION					.78	.09						.01	1.91							.03	.85						.29	.26			5.92
ALMONT 7 SW					.01	.23				T			2.48				T			.11					.27	T	.23				5.33
ALPHA 1 6				T	.13	.08					T	T	.14						.15	.38					T	.20	.59				1.84
AMIDON					.18	.30				T		.20	.58				T			.31	.04				.08	.13	.43	1.18				3.14
ANVILLA STATE PARK		.08		1.05	.09	.03		.83									.02			.18	.40		.04		.02		1.07	.46			.22	4.28
ASHLEY Z					.24	.85	.48	.48		.20	.42		1.70	.18							.52							1.12				5.81
BALDHILL DAM					2.80	.02	.01	1.30			.12								.05	.30	.30	T			.01	T	1.18	1.05	T			7.20
BEACH				.08									.80	.01	.07					.01	.41							.81				1.78
BELCOURT INDIAN RES						.09					.05			.14			.10	.07		.05	.60				1.02			.63			.14	2.88
BELFIELD				T	T					T	T	1.28	.80	.08						.61							.11	.85	.03			3.81
BEULAH						.03						.04	1.10				.08			1.65				.17			.03	.37			.25	5.89
BISBEE					.02	T	T						T	.37				.03		.15	.22				.74			.25			.10	1.88
BISMARCK WB CITY					.17	.11		1.19				.42	1.70	.10		T				.25	T		.10				.33	.28				4.62
BISMARCK WB AIRPORT Z	.01		T	.11	.07	.11	1.01			T		.43	1.48				.02			.03			.10		.01	.33	.18	.13			.18	4.18
BOTTINEAU			T		.03	.14		T							.01		.07				1.30				.14			.88			.08	2.45
BOTTINEAU STATE PARK						.30								.10			.85		.05		1.00							.85		.15		2.90
BOWBELLS 8 R STATION					.16	.54	.02	.03										T			1.15	.05			.02			.97	.13			3.07
BOWMAN COURT HOUSE Z	.02			.02			.84			.04		.21	.70			.14			.03	.31					T	.04	.80					2.98
CARRINGTON			.05	.04	.35	.04	.60	1.09								.31	.27				.23		.02	.03	.10			1.44	.08	T		.03	4.88
CARSON 2 8 W					T	T				.07			1.41				.20			T		T		T	1.07	T	.38					3.10
CAVALIER POWER PLANT		.06	T	T	.01	.10					T			.15	.05			T		.17	.30		T	1.32				1.02			.25	3.43
CENTER						1.25						.04	.67			.05							.03			.32	.28				.18	2.79
COLGATE			.18	1.85	.38			.47											.54	.40		.04	.40				1.14	.74			.32	8.48
COOPERSTOWN			.21	.37	.28			.48									.18			.29		.83	.05	.33				2.96	.38			.98	7.09
COURTENAY				.08	1.31					1.15		.09					.18				.86			1.00		.77	.58				.05	6.00
CROSBY					.15			.27										.01			1.22	.03						.28	1.18			3.10
DAWSON R				.13	.10		.40						.68							.62					.50	.11	.12				.15	2.78
DEVILS LAKE W 6 CITY Z		.80	.85	.01	.01	.01	.04						T	.01				.02		.03		T	T		T	.12	T	.07				.11	1.88
DICKINSON CAA Z				T	.09		T			T		.48	.48			.26	T		.05	.45				.01		.08	.14	.17					2.23
DICKINSON EXP STATION				T	.15	.06		T		T	T	T	.82	.04			.14			.01	.82				.13		.03	.62				2.84
DRAKE						.10	.25						.07				T				.57				.14		.40	.05				1.58
DUNN CENTER					.48					.08		T	1.08	.07			T				.60					T	.75					3.00
ECKMAN					.09	.28	.01					.07					.08			.01	.95	.02			.04		.08	.58	.15			2.35
EDGELEY EXP FARM Z			.02		.37	1.05	1.10			T	.82		.78								.90						.04	1.48			.25	6.59
EDMORE 1 W		.15	.09	T	T	T	T	.03			.15			.10				T		.35	.02		T	T	.37		.20	.17			.21	1.84
ELBOWOODS					.09	2.02						.02				.03				1.30			.33				.15	.50			.23	4.87
ELLENDALE					.17	.05		I.94			.10		1.10							.24	.57			.55			.15	.86			.09	1.58
EPPING				.18	.03			.09					.30								.70							.43				1.73
FARGO WB AIRPORT Z			.18	.05	1.83	.07	.08	.58		.01	.42			T	T		.22	T	.03	.35	T	T	.13		T		.38	.86			.04	4.85
FESSENDEN		.04	1.98	.18				.47					.08		T		.04						.09			.14		.06		T		3.03
FORMAN					1.59	.83	.30	1.61			.05		.50							.23						.03	4.15					9.09
FORT YATES				.15		.20	1.05			.18		.05	1.20								.08				.35		2.20					5.43
FOXHOLM WILDLIFE REF				.19	.09	1.00		.04												T	1.37				T		.13					2.82
FULLERTON			T		.12	1.27		.98		T	.35		1.08				.02			.10			.02		T		.05	.76			.05	4.78
GACKLE	T		T		.04		T	.64		.03	.05		.74								.27		.22				1.28	1.31			.80	5.39
GARRISON Z					.20	.54						.08	.04				.14			.55	.31				.06		.07	.21			.03	2.23
GLEN ULLIN R				.07	.08		.17					.57	.88						.06	.02					1.47	.15	.08					3.48
GRAFTON STATE SCHOOL		.15	.25	.05	.12	.01	.15	.15				.09		.03	T		.01	.02	T	.18	.62		.05	1.51	.08		.54	.42			.30	4.89
GRAND FORKS CAA Z		.22	.39	.04	.11	T	.19	.08						T		.08	.01			.34	.25		.08		T	.01	.51	1.22	T		.29	3.78
GRAND FORKS UNIVERSITY		.09	.11	.44	.13	.01	T	.16						T	T	.03	.02			.08	.89		.08		T		.45	1.24	T		.33	3.88
GRANO R//				.13	.01	.54														1.40	.15			.02			.07	.18				2.53
GRANVILLE				.01	.12	.92								.02			.01			.40	.93				.53			.25			T	3.19
GREWORA				.27	T				.22					.30							.76											1.55
HALLIDAY						.14				.16		.08	.71			.03				.57				.15		.17						1.88
HANKINSON R R STATION					.23	1.72		1.10				.18		.14						.15							.02	.78				4.27
HANNAFORD R					.10	.03	.07													.68						.03	.18	.70				4.27
HANNAH												.15						T		.22	.15				.46			.63			.23	2.04
HANSBORO						.05								.20	.01			.01		.25	.86				.61			.37			.19	2.55
HARVEY WATER WORKS		.53	1.43	.03	.02	T		.08			T		.02				T		T	T	T		.03				.18	.01			T	2.33
HAZELTON R R STATION R//						.53	.25			.10			1.08							.46					I.15	2.23	.07				.05	8.91
HILLSBORO	T	T		.21	2.50	.04	T	.58			.08									.47	.94		.04		T		.27	.60			.25	6.95
HURDSFIELD			*	*	.43	.03	.22						.32													.53	.03	.09		.13	.05	1.83
JAMESTOWN CAA Z	T			.27	.01	.98	.51			.03		T	.01		T		.51		.04	1.13		T	T		T	1.28	1.02	.22		T	.02	8.99
JAMESTOWN STATE HOSP					.27	.84	1.80	.43		.02			.07				.35		.10	T	.60		.02				1.38	.88			.32	6.88
KENMARE					.08	.45			.04												.75	.05					.43	.10				1.80
KENSAL WILDLIFE REFUGE					.83	T		.56		.05							.05		.05	.47			.04				1.39	.12		T	.06	3.62
KRAWEB 5 S8					.07	.18								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LA MOURE			.07		1.52	2.35	.81					.29	.60				T		T	.57						.08	.74					6.81
LANGDON EXP FARM												.03			.03			.03		.32					.75		.07	.52	.02		.31	2.08
LARIMORE				1.07	.01			.21												.10	.43					1.08						2.88
LEROS			T	.05		.05								T					.20		.11				.08	.01		.70				1.20
LINTON				.13		.15	1.00	.21		.13	.12		.99							.43							.19	1.02				4.37
LISBON				.12	.33	.80		.34			.26	.04		.29			.10	.32		.19	.10			T			.27	.39				3.35
MADDOCK AGR SCHOOL		.70	1.17	.04	T	.02	.03	.07									.24			.02	.04		T		.04		.10	T		.30	.09	2.88
MANDAN EXP STATION Z	T			T	T	.02		.23		T		.27	2.01	.08			T			.19			T			T	1.25	.27				4.32
MANDAN FT LINCOLN PARK	T			.01	.02	.08		.42		.01		.84	1.46				T		T	T			T				.57	.48			.31	4.00
MARMARTH					.23	.02						T	.27							.35						.08	.33	.40				1.89
MAX						.09	.02					.04	.15				.03					.96				.48	.03		.15			1.98
MAYVILLE				.58	.72			.25			.09				T		.04	.01		.17	.72		.48				.53	1.18			.19	4.94
MC CLOSKY	.10			.04		.55		.18				.07	.40				.02		.01								.13	.10			.13	1.75
MC GREGOR RR STATION 8				.18			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				.05	.95	-	-	-	-
MC HENRY 5 N		.34	.55	.25	.03			2.10		T							.22				.38		.16		.03	.01	1.32	.20			.80	6.21
MC LEOD 3 8				.12	1.98	1.18		2.03				.28								.20							.41	.73				7.20
MC VILLE		.12	1.40	.70	.05			.40					.29					.04		.08		.50		1.05	.02		1.25	.60			.08	8.24
MEDORA 1 W				.08	.87			.67					.80				.12				.47						1.43	.43				4.87
MEDORA STATE PARK					.05							.29	.55							.48							.50					1.87
MEDORA T 8 N M P					.05		T			T	T	1.50	.36			T				.52							.20	.40				3.03
MINOT CAA 2	T			.17	.05	1.08	T				T	T				T	T		T	.79	.01			.15	T	.08	.01	.07			T	2.37
MINOT EXP FARM				.04	.20	.89											T			.30	.22	T			.58		.15	.14				2.50
MOFFIT RR STATION Z					.05	.03		.20			.04	.13	1.05								.23						1.47	.21				3.41
MOHALL					.12	.28		.04				.03					.18			1.26	.17					T	T	.28				2.32
MONTPELIER				.05	.49	.02	.72	.32			.19		.28	.08			T				.14		.05				1.15	.82				4.12
MOTT RR STATION	.04				.07	.41	.22			.04		T	.48				.15										.42	.24				2.07
MUNICH 4 SW				.02		.04					.11		T	.35			.08	T		.14	.08				.81		.09	.27			.12	2.08
NAPOLEON 2 SE			T	.08	.04	.14		.45		.18	.09	T	.85								.80		.03		.01		.83	1.93		.02	.04	5.47
NEW ENGLAND					.20	.16	.05			T			.41				.02			.17				T		.20	.07	.52				1.80
NEW ROCKFORD 8 NW		.03	.62	.88	T	T		.20									.09			T	.09		.01		T	T	.33	.04		.11	.05	2.45
NEW SALEM I S				T	.15					.05		.12	2.28				T		.20						T	.54	T	.14			T	3.45
OAKES WATER WORKS Z						.20		.40			.18		.44	.35			.03	.03			.09			.17			.06	1.24				3.17
OWEMEE 3 SE				.04	.02	.25							-	-						.34	.08			.37	.13			.80			.05	-
PARK RIVER		T	.31	.02	.07	.01	T	.31			T	.04		T			T	T	T	.25	.21		.29	.48	.15		.48	.73	.01		.20	3.54
PARSHALL				.18	.07	.57						.05	1.01				T			.33	.80					.14	.10	.40			.48	3.84
PEMBINA CAA Z		T	.04	T	T	.31		.34			.09			.11	.01	T		.02	.01	.48	.03	.03	.15		1.53	.06	.54	.87	.03	.03	.18	4.85
PETERSBURG		.05	.83	.03	.04	.48	.07	*	.48					.02			.04	T		.22	.55		.24		.08		1.33	.25			.21	4.88
PETTIBONE					.15	.95		.31		.05		.03	.48				.02		.15		.79		.15				.72	.14			.18	4.10
PORTAL					.18			.29													1.25	.03				.18		.83	.02			2.78
PRETTY ROCK										.10		1.05				.24				.04					T	.18		1.20				2.79
RAUB R				.08	.02	.15						.02	.17			.23				.51				.24			.06	.38			.15	I.89
RICHARDTON ANNEX					.08	.08	T			T		T	1.80				.05			1.17				.01		.08	.10	.30				3.78
RIVEROALE 2					.05	.72							.32				T				.56				.45		T	.31				2.41
ROLLA					T	.11								.01		.04		.08		.18		.50			.76			.98			.16	2.80
RUGBY				T										.07							.37				*	.49		.31			.22	1.45
RYDER					.20					T			.60					T		.58		T		T			.34			.25	2.25
SANISR				.22		.32		.04				.03	.70	.02						.02	.66				.05			.82				2.88

See reference notes following Station Index

DAILY PRECIPITATION

Table 3—Continued

Station	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SARLES R//											-			-					.10	.70					.66		.08	.46			.23	-
SHARON		.32	.10	.60	.57	.04		.14									T	.08		.07	.40		.06	.80	.02	1.25		.33			.12	5.18
SHERWOOD			T	T	.16	.09											T			.04	.88							.73			.06	1.85
STANLEY				.19	T	.42		T							.07		.07					.37			.28		T	.59			.03	2.00
STEELE	.01			.12	.16		.05	.22				.03	.60							.66	T					.03	.87	.14			T	2.80
TAGUS			T	.40	.06	1.34							T		.15		.10			T				T	.05		.03	.46				2.58
TIOGA				.17	T			.12					.10							*	.83							.50				1.72
TOWNER				T	.05							.04									.26					.48		.32			.05	1.17
TROTTERS				T	.10				T	T		.16	.63						T	.83						.02	.33				2.08
TURTLE LAKE		T	T	.18	.13	1.15					T	.06	.29				T		T	.75					.24	.44	T			.02	3.26
TUTTLE 6 SW				.01	T	.30	.52			.01	T	T	1.12							.23					1.66	.60	.16			T	4.51
UNDERWOOD 12 W	T	T	T	T	.17	.63	T			T	.01	.93	T				.07			.61			T	.10		.07		.26		.31	3.08
UPHAM WILDLIFE REFUGE				.02	.06	.20						.09		T						T	1.03				.28		.04	.76			.03	2.53
VALLEY CITY			T		2.04	.04		2.63		.26					.30		.02			.23	1.35		.02				.85	2.09			.14	9.99
VAN HOOK				.26		.26					.03	.01	.57							.07	.63				.04		.43	.48			.14	2.63
VELVA	T	T	T	T	.04	.08						.03	.08				T		T	T	.72			T	.46		T	.08				1.52
WARDETON POWER PLANT R					.98	3.67	.06	3.77			.10		.15				.03		.06	.06					.20		.11	1.08				10.29
WARDETON STATE SCHOOL					.67	4.03		3.68			.10		.15				.05			.11					.17		.10	.87			T	9.91
WASHBURN			.05		.03	.07						.03	.66				T			.02						.21	.41	.18			.06	1.64
WATFORD CITY				.76	.04	.38				.02		.18	.13				.04			.47	.02						.15	.23				2.42
WESTHOPE					.08	.21		.14			.06			T			.06			.11	1.21				T			.98			.12	2.66
WILDROSE					.14			.16					.04				T		T		.72							.68				1.72
WILLISTON WB CITY R			T	.23	.17	T	T				T	.48	.03			T	T	T	T	.56	T						.17	.08				1.71
WILTON RR STATION						.29		.72			T	.03	.66	.05			.03			.06							.71	.12				2.57
WISHEK				.05	.02	.23		.22			.41	T	1.12	.05							.46	T	.16				T	1.57	T			4.31

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																										
BISMARCK WB AIRPORT							.01																			.01
—2d—																										
DEVILS LAKE WB CITY										.30	.12	.08														.50
GRAND FORKS CAA	//										.01	.04							.03	.01	.01	.10				.25
PEMBINA CAA	//														.02	.01										.03
—3d—																										
DEVILS LAKE WB CITY																.06			.58	.01						.64
EDGELEY EP FARM																			.05							.05
FARGO WB AIRPORT	//					.12																.02	.02			.14
GRAND FORKS CAA	//																				.21	.05	.12	.02		.40
HANNAFORD																				.28	.01			.08		.37
HURDSFIELD														*	*	*	*	*	*	*	*	*	*	*	*	*
—4th—																										
ASHLEY	//																								.01	.01
BISMARCK WB AIRPORT																	.03	.08								.11
BOWMAN COURT HOUSE	//																					.01	.01			.02
DAWSON																							.10	.03		.13
DEVILS LAKE WB CITY																					.01					.01
EDGELEY EP FARM																							.08	.15	.05	.28
FARGO WB AIRPORT	//		.04																			.01				.05
GLEN ULLIN																								.03	.04	.07
GRAND FORKS CAA	//																		.01	.01	.01					.03
GRANO	//																			.07	.04			.01	.01	.13
HANNAFORD				.01	.01	.01																1.11	.53	.16	.08	1.89
HURDSFIELD		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
JAMESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC GREGOR RR STATION																			.04	.06	.08					.18
MINOT CAA	//																.02	.01	.01	.06	.01	.01	.01			.12
MOTT RR STATION																				*	*	*	*	.05		.05
OMEMEE 3 SE																								.01	.03	.04
RAUB	//															.02		.01		.04					.01	.05
WILLISTON WB CITY														.01	.01		.02	.09	.05	.03	.02					.22
—5th—																										
ASHLEY	//			.01					.15	.02																.18
BISMARCK WB AIRPORT								.07																		.07
DAWSON				.01	.01		.05	.01	.02																	.09
DEVILS LAKE WB CITY																		.01								.01
DICKINSON CAA																							.01	.02	.01	.04
EDGELEY EP FARM								.04	.06	.02	.01															.13
FARGO WB AIRPORT	//	.15	1.25	.23																						1.63
GARRISON									.08			.01	.02	.04										.03	.02	.20
GLEN ULLIN																										
GRAND FORKS CAA	//	.01	.01									.03	.04													.09
GRANO	//	.01																								.01
HANNAFORD		.01		.01	.01			.01	.03	.01	.01	.01														.09
HURDSFIELD		*	*	*	*	*	*	*	.43																	.43
KRAMER 5 SE											.03		.02				.01	.01								.07
MINOT CAA	//							.02	.01	.01	.01														.01	.06
MOTT RR STATION																							.38	.01	.01	.40
OMEMEE 3 SE		.01	.01																							.02
RAUB	//		.01		.01																					.02
RIVERDALE								.06	.01																	.07
WAHPETON POWER PLANT						.30	.53	.07	.02		.01		.02									.03				.38
WILLISTON WB CITY							.05	.09	.01	.01						.01										.11
—6th—																										
ASHLEY	//	.49	.02	.01																		.34	.08			.94
BISMARCK WB AIRPORT					.01	.10																				.11
DEVILS LAKE WB CITY										.01																.01
EDGELEY EP FARM			.96	.06																		1.05				2.07
FARGO WB AIRPORT	//				.03	.03	.01																			.07
GARRISON								.03	.48	.01																.52
GRANO	//	.01	.02	.40	.04	.01	.04	.02																		.07
HANNAFORD				.01	.02																					.03
HAZELTON R R STATION	//		.52	.01																						.53
HURDSFIELD										.01	.01	.01														.03
KRAMER 5 SE				.04	.14																					.18
MINOT CAA	//		.17	.38	.34	.03	.01		.07																	.60
OMEMEE 3 SE							.10	.10	.05																	.25
PEMBINA CAA	//									.01	.02	.05	.21	.01												.30
RAUB	//						.01	.09	.04	.01																.14
RIVERDALE									.80																	.80
WAHPETON POWER PLANT		.35	.52	.98	1.37	.33	.05	.02	.02	.03																3.34
—7th—																										
ASHLEY	//																				.06	.26	.04	.01	.02	.39
BISMARCK WB AIRPORT																				.80	.20	.01				1.01
BOWMAN COURT HOUSE	//														.57	.05										.62
DAWSON																						.25	.15			.40
DEVILS LAKE WB CITY																								.04		.04
EDGELEY EP FARM																					.02	.01	.06	.10	.09	.28
FARGO WB AIRPORT	//																								.06	.06
GLEN ULLIN																		.17								.17
GRAND FORKS CAA	//																							.15	.06	.21
HANNAFORD																				*	*	*	*	*	.07	.07
HAZELTON R R STATION	//																				.08	.07	.10			.25
HURDSFIELD																						.12	.10			.22
JAMESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANDAN EP STATION																		.08	.08	.06						.22
MC GREGOR RR STATION																			-	-	-	-	-	-	-	-
MOTT RR STATION																.11	.05									.16
WAHPETON POWER PLANT																									.06	.06
—8th—																										
FARGO WB AIRPORT	//	.11	.45																							.56
GRAND FORKS CAA	//	.02			.03	.02		.01	.01																	.09
PEMBINA CAA	//	.29	.01																							.30
WAHPETON POWER PLANT		.33	2.18	.26	.15		.70	.11	.04																	3.77
—10th—																										
ASHLEY	//														.01					.04	.03	.02			.01	.11
BOWMAN COURT HOUSE	//											.03														.03
EDGELEY EP FARM																	.01		.01	.01	.01	.01				.05

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station		A.M. Hour ending												P.M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
FARGO WB AIRPORT	//																				.01					.01
HAZELTON R R STATION	//														.01	.01	.02	.04	.02							.10
MOTT RR STATION											*	.03														.03
													—11th—													
ASHLEY	//	.01	.03	.05	.10	.01	.02																			.22
EDGELEY EP FARM		.09	.03	.03	.04	.01	.05																			.25
FARGO WB AIRPORT	//		.01	.07	.05	.15	.15																			.43
GARRISON																									.01	.01
PEMBINA CAA	//																.07	.01								.08
SARLES 3 E	//																	.10		-	-	-	-	-	-	-
WAHPETON POWER PLANT								.01	.02	.05	.02															.10
													—12th—													
BISMARCK WB AIRPORT						.03	.04	.13	.14	.07	.01														.01	.43
BOWMAN COURT HOUSE	//																.03	.27				.14			.01	.45
DICKINSON CAA																				.03	.14			.18	.08	.43
GARRISON		.01				.02	.01	.01																		.05
GLEN ULLIN																					.06	.13	.04	.14	.20	.57
MANDAN EP STATION						.03	.10	.12	.06	.01														.03	.05	.40
MOTT RR STATION																								.10		.10
RAUB	//																							.01	.01	.02
WILLISTON WB CITY																						.02	.24	.18	.05	.49
													—13th—													
ASHLEY	//		.01	.25	.28	.20	.16	.18	.40	.18	.07															1.73
BISMARCK WB AIRPORT		.02	.16	.54	.29	.20	.14	.06		.02	.03															1.46
BOWMAN COURT HOUSE	//	.01		.01	.01	.15	.01	.16	.03				.01	.03												.42
DAWSON			.02	.13	.13	.13	.14	.05	.05																	.65
DICKINSON CAA		.03	.01	.01	.02	.13		.11	.07	.02			.08													.48
EDGELEY EXP FARM					.02	.14	.18	.14	.10	.07	.04	.05	.02													.74
GARRISON						*	.03																			.03
GLEN ULLIN		.10	.18	.05	.03	.34	.17	.01																		.88
HAZELTON R R STATION	//		.05	.10	.28	.23	.13	.11	.11	.04																1.05
HURDSFIELD					.05	.13	.09	.03	.02																	.32
MANDAN EXP STATION		.15	.42	.80	.30	.27	.03	.05	.06	.03	.01															1.92
MOTT RR STATION							.15	.15	.02	.05	.03															.40
OMEMEE 3 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB	//	.05	.04	.04	.03	.01																				.17
RIVERDALE			.02	.10	.03		.08	.08	.05																	.38
WAHPETON POWER PLANT												.08	.07													.15
WILLISTON WB CITY		.03																								.03
													—14th—													
DEVILS LAKE WB CITY																			.01							.01
OMEMEE 3 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA	//																		.01	.09						.10
SARLES 3 E	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													—16th—													
BOWMAN COURT HOUSE	//																		.06	.05			.01		.01	.13
DICKINSON CAA																					.36					.36
GARRISON																							.12	.01		.13
GRAND FORKS CAA	//						.05	.03																		.08
KRAMER 5 SE																						-	-	-	-	-
MOTT RR STATION																				*	*	*	.13			.13
RAUB	//																						.23			.23
RIVERDALE																									.02	.02
													—17th—													
BISMARCK WB AIRPORT			.02																							.02
FARGO WB AIRPORT	//					.02				.20																.22
JAMESTOWN CAA	//			.51																						.51
WAHPETON POWER PLANT																.01	.02									.03
													—18th—													
DEVILS LAKE WB CITY												.02														.02
PEMBINA CAA	//																			*	*	*	*	*	*	*
													—19th—													
BOWMAN COURT HOUSE	//																							.01	.02	.03
DICKINSON CAA																									.07	.07
FARGO WB AIRPORT	//																				.03					.03
GLEN ULLIN																									.06	.06
GRANO	//																							.03		.03
JAMESTOWN CAA	//																									.03
PEMBINA CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.03	*	*	*	*	*	*	*
SARLES 3 E	//	.06	.04																							.10
WAHPETON POWER PLANT																						.05	.01	.02		.08
													—20th—													
ASHLEY	//																			.37	.13					.50
BISMARCK WB AIRPORT				.01	.01														.01							.03
BOWMAN COURT HOUSE	//	.03														.23	.08									.34
DAWSON																				.62						.62
DEVILS LAKE WB CITY		.01																			.01	.01				.03
DICKINSON CAA																		*	*	*	.50	.03				.53
EDGELEY EXP FARM																				.01	.46	.42				.89
FARGO WB AIRPORT	//			.05	.02																	.05		.23		.35
GARRISON																			.88	.01	.01					.90
GLEN ULLIN		.02																								.02
GRAND FORKS CAA	//				.01	.02	.02	.01	.01	.01	.01											.01	.13	.02	.09	.34
GRANO	//																		.30	.23	.47	.37	.01		.02	1.40
HANNAFORD																				*	*	*	*	*	.88	.88
HAZELTON R R STATION	//																		.05	.43						.48
JAMESTOWN CAA	//																				1.05		.03	.02	.01	1.11
MANDAN EXP STATION		.01	.17																							.18
MINOT CAA	//												.02					.01	.04	.43	.25	.05				.80
OMEMEE 3 SE				.07	.01	.01															.08	.05	.12			.34
PEMBINA CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	.05			.10						.04	.12	.01	.32
RAUB	//																		.01	.38	.12					.51
RIVERDALE																			.70							.70
SARLES 3 E	//				.05	.04	.01	.01						.01	.05		.01				.01	.44	.07			.70
WAHPETON POWER PLANT							.02	.02	.01	.01																.06
WILLISTON WB CITY								.02										.02	.18	.25	.07	.02				.56

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—21st—																										
GRAND FORKS CAA	//	.13	.14																							.27
GRANO	//			.01	.01	.02	.01	.03	.04	.03																.15
OMEMEE 3 SE									.08																	.08
PEMBINA CAA	//		.01	.03																						.04
—22d—																										
PEMBINA CAA	//																								.03	.03
—23d—																										
BISMARCK WB AIRPORT							.01		.09																	.10
FARGO WB AIRPORT	//	.13																								.13
GRAND FORKS CAA	//	.05	.02				.01																			.08
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA	//															.01			.11							.12
—24th—																										
GARRISON																						.05				.05
GRANO	//																						.02			.02
MINOT CAA	//																					.18		.02		.15
OMEMEE 3 SE																								.35	.02	.37
RAUB	//																				.21	.03				.24
RIVERDALE																					-					-
—25th—																										
BISMARCK WB AIRPORT														.01												.01
OMEMEE 3 SE		.12	.01																							.13
PEMBINA CAA	//				.85	.50											.01		.01							1.37
SARLES 3 E	//	.15	.40																							.55
WAHPETON POWER PLANT																	.05	.12	.03							.20
—26th—																										
BISMARCK WB AIRPORT																					.01	.32				.33
BOWMAN COURT HOUSE	//																.05									.05
DAWSON																							.22	.13	.15	.50
DEVILS LAKE WB CITY																						.01	.08	.01	.04	.12
DICKINSON CAA																		.01	.07							.08
EDGELEY EXP FARM																									.05	.05
GARRISON																					.04	.01				.05
GLEN ULLIN																.12		.01	1.33	.01						1.47
GRAND FORKS CAA	//																								.01	.01
HANNAFORD																									.03	.03
HAZELTON R R STATION	//																					1.05	.08	.04		1.15
HURDSFIELD																			.30	.03	.04	.07	.08		.01	.53
JAMESTOWN CAA	//																							1.08	.17	1.25
MANDAN EXP STATION																	.77	.08	.20	.18	.02					1.25
MINOT CAA	//																						.08			.08
PEMBINA CAA	//																								.05	.05
RIVERDALE																					.02	.01				.03
—27th—																										
ASHLEY	//																							.05	.94	.99
BISMARCK WB AIRPORT				.01																		.01	.15	.01		.18
BOWMAN COURT HOUSE	//																	.47	.07	.04				.28	.01	.85
DAWSON																								.03	.08	.11
DICKINSON CAA																				.01	.11	.03		.01	.02	.18
EDGELEY EXP FARM																					.03	.01	.03	.18	1.13	1.38
FARGO WB AIRPORT	//	.23	.08	.01	.06																					.38
GARRISON																									.01	.01
GLEN ULLIN																									.15	.15
GRAND FORKS CAA	//	.38	.11																							.49
GRANO	//																							.07		.07
HANNAFORD		.11	.01	.02		.01																		.01	.02	.18
HAZELTON R R STATION	//																						1.05	1.18		2.23
HURDSFIELD																							.01	.01	.01	.03
JAMESTOWN CAA	//	.28	.03	.01																					.83	.95
MANDAN EXP STATION																						.04				.04
MC GREGOR RR STATION																						.05				.05
MOTT RR STATION																		.05	.63	.25				.01	.01	.95
PEMBINA CAA	//	.39	.06			.01	.01																			.47
RAUB	//																						.02		.04	.06
RIVERDALE																					.04	.01	.03			.08
SARLES 3 E	//	.06																								.08
WAHPETON POWER PLANT		.01	.09	.01																						.11
WILLISTON WB CITY																					.07	.01			.09	.17
—28th—																										
ASHLEY	//	.02	.02	.01																						.05
BISMARCK WB AIRPORT			.13																							.13
BOWMAN COURT HOUSE	//	.01																								.01
DAWSON		.02		.08	.02																					.12
DEVILS LAKE WB CITY		.03	.03			.01																				.07
DICKINSON CAA		.26	.01																							.27
EDGELEY EXP FARM		.09	.01																							.10
FARGO WB AIRPORT	//	.03	.35	.48																						.86
GARRISON		.03	.08	.05	.01																					.17
GLEN ULLIN		.04	.01																							.05
GRAND FORKS CAA	//	.01	.01	1.01	.21	.01																				1.25
GRANO	//		.02	.01	.01	.01		.11	.01	.01																.18
HANNAFORD		.58	.11	.01																						.70
HAZELTON R R STATION	//		.02	.05																						.07
HURDSFIELD		.01		.08	.02																					.09
JAMESTOWN CAA	//	.32	.03																							.35
MANDAN EXP STATION		.20																								.20
MC GREGOR RR STATION		.01	.62	.22	.05				.05																	.95
MINOT CAA	//	.02	.03	.02	.03																					.10
OMEMEE 3 SE					.33	.25		.02																		.60
PEMBINA CAA	//				.04		.01	.10	.08	.01	.01				.31	.01	.01									.58
RAUB	//	.07	.14	.14		.01																				.36
RIVERDALE			.10	.13																						.23
SARLES 3 E	//							.20	.13		.01	.11														.45
WAHPETON POWER PLANT		.69	.39																							1.08
WILLISTON WB CITY		.03	.03																							.06
—29th—																										
PEMBINA CAA	//																		.03							.03

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

NORTH DAKOTA
JULY 1949

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
																-30th-									
HUROSFIELD																			.12	.01					.13
PEMBINA CAA //																								.03	.03
																-31st-									
BISMARCK WB AIRPORT																.18									.18
DAWSON																	.15								.15
DEVILS LAKE WB CITY																	.01	.10							.11
EDGELEY EXP FARM																		.25							.25
FARGO WB AIRPORT //						.01	.01	.01											.01						.04
GARRISON																.02									.02
GOLVA //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA //			.24					.02										.04	.04						.34
HAZELTON R R STATION //																	*	.05							.05
HUROSFIELD																.03	.02								.05
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANDAN EXP STATION															.20										.20
OWEMEE 3 SE																.05									.05
PEMBINA CAA //															.09	.06									.15
RAUB //			.15																						.15
RIVERDALE																.07									.07
SARLES 3 E //														.05	.10	.07	.01								.23

See reference notes following Station Index.

DAILY TEMPERATURES

Table S

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	91	106	89	76	81	90	97	85	85	73	89	87	75	80	89	95	87	75	79	87	69	87	100	100	90	91	84	72	78	92	94	86.2
	MIN	54	67	70	57	56	66	63	58	46	58	52	63	58	52	56	64	59	57	47	53	48	45	64	57	64	57	56	55	48	55	56	56.8
AMIDON	MAX	96	101	96	77	79	91	90	88	87	82	89	88	75	78	93	102	95	77	83	87	72	91	98	100	91	96	88	70	79	92	94	87.9
	MIN	49	59	62	54	50	60	57	54	47	54	47	55	53	45	52	68	56	44	39	48	54	48	59	60	61	52	55	50	49	53	57	53.3
ARVILLA STATE PARK	MAX	89	94	89	74	68	82	92	85	78	81	89	80	85	84	91	93	86	81	73	78	75	79	86	90	91	93	85	82	74	80	85	83.6
	MIN	47	61	61	54	61	63	85	65	52	45	61	56	50	60	60	59	66	53	45	53	51	45	62	60	69	53	57	56	49	48	57	58.3
ASHLEY	MAX	80	88	98	106	81	85	91	92	82	78	73	80	82	70	77	84	90	85	74	74	87	71	83	93	95	83	89	89	75	73	83	83.8
	MIN	48	65	60	60	60	65	65	65	51	64	61	56	58	48	52	58	58	54	46	55	49	44	63	60	73	52	61	60	45	53	63	57.2
BALDHILL DAM	MAX	83	93				77	85	84	84		79	84	82	75	84	90		91	77	74	83	72	80		94	90	92	86	80	70		82.9
	MIN	42	64			55	62	65	62	51		48	59	56	49	51	59		52	45	54	50	42	59		59	48	58	57	44	47		53.5
BEACH	MAX	80	92	97	80	70	77	91	93	80	85	77	86	86	72	80	92	102	82	75	82	78	72	90	95	103	85	91	86	69	80	92	84.5
	MIN	45	55	67	56	55	56	61	56	44	55	42	53	55	53	56	61	51	54	54	54	51	48	54	63	62	50	54	53	46	55	55	54.0
BELCOURT INDIAN RES	MAX	83	92	85	65	72	77	91	83	72	79	85	79	81	82	85	96	84	70	61	63	64	79	82	87	79	86	83	75	71	83	82	79.2
	MIN	46	58	58	52	56	60	65	62	47	41	48	49	52	52	55	58	60	54	34	42	48	36	55	59	65	48	54	51	46	43	50	51.7
BELFIELD	MAX	94	101	83	78	80	94	94	84	88	78	93	87	74		94	101	88	77	82	83	70	88	94	101	94	95	89	71	80	91	93	87.2
	MIN	38	47	58	50	51	53	58	54	40	52	57	55	52		43	53	52	49	50	45	39	45	57	60	64	47	53	50	54	52	52	51.0
BISBEE	MAX	86	94	86	69	76	77	95	82	75	80	87	82	85	84	87	99	86	68	70	66	65	80	92	87	82	92	92	72	73	87	80	81.8
	MIN	43	56	59	53	57	62	59	61	48	45	52	50	56	54	55	57	58	56	40	50	50	42	54	60	59	50	50	53	46	46	50	52.6
BISMARCK WB CITY	MAX	84	89	105	85	75	77	90	94	94	78	75	85	85	75	80	88	93	85	85	85	81	87	85	101	97	87	90	83	74	77	89	85.7
	MIN	49	65	71	60	60	63	63	63	53	60	56	62	61	56	59	65	66	61	49	57	53	46	64	62	70	53	61	60	53	56	62	59.3
BISMARCK WB AIRPORT	MAX	92	107	89	78	73	90	96	84	81	76	86	84	75	82	90	96	86	76	80	89	71	86	102	98	87	92	83	75	75	90	89	85.7
	MIN	45	68	64	60	59	69	61	61	50	58	56	61	58	54	57	64	59	55	46	56	52	45	68	60	58	51	59	55	49	55	58	57.1
BOTTINEAU	MAX	82	91	68	66	80	81	92	91	75	79	86	83	82	84	88	89	87															
	MIN	41	55	55	55	55	61	64	59	44	44	53	55	57	51	63	65	55	54		47	49	53	58	53	61	46	50	51	44	48	56	53.4
BOTTINEAU STATE PARK	MAX	80	94	85	68	70	80	90	91	75	80	89	80	82	81	86	92	86	71	70	68	64	69	86	87	85	86	85	81	87	89	71	80.9
	MIN	60	65	60	58	59	61	60	59	58	48	59	65	64	65	53	56	60	45	35	51	45	41	40	59	60	66	67	60	55	51	55	56.1
BOWBELLS RR STATION	MAX	74	86	92	62	65	71	77	85	74	72	79	82	81	83	87	89	98	80	70	70	62	64	78	84	85	80	84	86	64	73	88	78.2
	MIN	43	50	42	40	42	55	59	52	43	46	53	53	55	58	57	60	55	55	41	47	51	42	50	55	62	52	50	53	45	54	55	50.8
BOWMAN COURT HOUSE	MAX	95	102	96	88	86	92	95	79	81	82	83	82	71	70	88	99	93	80	79	78	71	92	99	103	91	93	89	71	79	90	89	86.6
	MIN	54	61	63	56	54	63	58	55	47	57	50	58	55	50	54	59	52	55	54	52	49	49	63	61	59	55	57	52	47	52	59	55.2
CARRINGTON	MAX	79	90	103	79	74	70	85	86	79	75	75	84	81	80	83	89	94	83	72	74	82	70	78	94	83	83	90	69	64	61	72	80.0
	MIN	49	59	66	49	55	58	62	58	48	49	56	59	52	54	58	62	65	57	46	49	49	47	52	58	59	56	55	59	45	49	50	54.5
CARSON 2 SW	MAX	94	105	93	79	84	90	95	87	85	71	83	88	74	81	90	99	87	77	80	90	73	93	105	105	90	96	86	74	79	92	93	87.7
	MIN	53	65	45	57	56	66	62	58	45	57	56	62	58	49	53	62	60	55	48	53	47	47	66	61	63	58	59	55	48	55	57	56.0
CAVALIER POWER PLANT	MAX	88	91	89	76	77	71	87	90	86	83	87	80	90	85	86	97	93	83	68	66	67	78	86	89	89	92	89	78	75	82	76	83.1
	MIN	47	67	58	50	50	62	63	72	49	45	56	51	52	59	58	59	58	58	45	48	48	54	58	56	69	53	60	49	64	51	49	55.4
CENTER	MAX	90	101	93	67	72	89	96	82	79	75	87	86	75	81	90	81	85	80	78	86	69	85	99	98	92	91	85	70	78	91	91	84.6
	MIN	38	60	60	53	56	67	56	57	46	51	47	60	60	52	52	60	58	58	54	49	49	38	57	61	65	46	54	56	44	49	53	53.7
COOPERSTOWN	MAX	89	93	90	74	70	82	83	82	78	76	83	80	80	84	88	93	85	76	71	82	79	79	93	95	88	92	89	79	71	80	85	82.9
	MIN	47	62	68	55	57	62	67	63	52	50	60	58	57	51	57	57	64	55	44	52	52	44	60	62	68	52	57	58	46	48	60	56.3
CROSBY	MAX	77	91	95	72	67	72	90	91	74	77	82	82	85	86	92	96	104	80	73	72	67	65	81	84	88	81	84	86	66	76	90	81.5
	MIN	41	43	55	49	54	56	62	55	45	45	52	56	54	55	55	57	52	55	44	48	51	43	50	57	59	49	52	54	44	47	56	51.5
DEVILS LAKE WB CITY	MAX	87	95	77	69	66	80	86	80	74	76	84	80	80	84	88	96	83	69	73	77	65	80	92	88	86	92	86	71	73	84	86	80.9
	MIN	52	65	56	53	59	62	65	60	50	50	54	55	58	57	58	64	65	57	44	52	52	47	60	61	63	57	59	52	49	52	57	56.3
DICKINSON CAA	MAX	92	101	86	71	78	91	92	82	84	78	88	85	72	80	90	100	82	75	80	84	70	89	94	101	84	92	83	72	79	90	93	85.1
	MIN	48	61	61	54	54	66	60	53	46	56	48	60	56	50	55	62	56	55	49	48	50	47	62	61	56	53	55	54	49	55	56	54.7
DICKINSON EXP STATION	MAX	81	94	102	84	71	77	92	96	82	85	78	87	87	74	82	91	101	83	76	81	83	70	89	92	102	84	92	85	71	78	92	85.2
	MIN	41	58	65	51	53	52	58	58	40	56	45	62	57	49	51	62	58	55	48	52	48	45	57	62	62	47	52	53	46	56	56	53.4
DRAKE	MAX	79	88	96	78	70	69	84	93	84	75	84	86	81	80	86	91	96	84	70	83	81	64	82	90	93	81	91	85	68	73	89	82.4
	MIN	51	59	64	57	57	60	63	61	47	53	55	62	59	57	60	65	62	59	60	53	52	47	57	64	69	55	55	60	45	53	57	57.4
DUNN CENTER	MAX	88	97	102	85	68	70	94	96	85	85	83	90	92	76	85	93	99	89	80	86	84	73	89	95	102	87	97	96	74	82	99	87.7
	MIN	38	47	52	57	56	55	56	57	42	48	42	54	54	50	54	59	57	56	46	50	49	41	47	57	56	48	49	51	42	51	49	50.6
ECKMAN	MAX	75	84	91	71	65	73	83	90	75	73	79	84	81	82	84	88	95	80	67	70	66	63	78	87	87	79	88	84	62	74	87	78.9
	MIN	42	56	60	50	57	59	61	62	45	45	51	53	57	57	59	59	53	57	38	50	51	42	52	56	66	48	50	57	43	51	54	52.9
EDGELEY EXP FARM	MAX	90	102	109	82	81	93	88	85	79	76	82	82	74	80	87	89	85	78	72	85	80	81	89	93	88	90	87	80	73	80	85	84.7
	MIN	50	59	69	59	58	67	65	65	53	52	61	60	54	51	53	57	63	55	42	50	52	45	50	61	70	53	56	58	48	49	59	56.3
EDMORE 1 W	MAX	85	95	88	74	74	75	87	84	77	80	87	80	83	82	87	93	84	72	72	67	68	78	93	86	84	90	84	75	74	84	82	81.4
	MIN	46	63	56	56	58	61	65	58	47	46	48	50	54	52	51	56	66	57	39	48	50	39	56	57	65	50	58	55	45	44	56	53.3
ELBOWOODS	MAX	86	97	84	71	79	88	94	79	77	78	86	84	81	84	93	100	88	78	78	76	84	76	91	95	86	93	87	70	78	90	85	84.4
	MIN	60	62	56	54	54	61	61	57	42	50	47	53	51	51	53	62	57	56	43	43	40	41	47	57	49	44	58	53	41	52	50	51.8
ELLENDALE	MAX	90	99	105	84	85	95	95	77	78	76	80	82	69	79	85	90	85	77	73	88	73	83	90	94	90	90	88	82	74	74	88	84.5
	MIN	54	60	72	59	64	68	58	51	54	55	63	60	58	52	53	56	67	57	47	56	50	47	61	64	72	57	62	61	49	49	58	57.9
EPPING	MAX	95	98	95	72	70	90	92	85	80	83	85	85	83	88	95	104	103	78	78	94	69	84	88	93	93	86	87	72	80	93	90	86.7
	MIN	45	58	62	54	52	64	63	54	42	53	54	60	57	56	58	62	65	50	47	53	50	46	57	61	60	51	56	56	50	48	48	54.8
FARGO WB AIRPORT	MAX	89	98	95	83	81	82	89	84	76	77	80	80	74	85	90	91	84	78	69	83	73	79	93	95	96	90	86	82	70	80	84	83.7
	MIN	52	65	63	63	65	65	66	63	58	54	64	61	58	52	59	60	64	56	51	55	57	47	64	66	64	55	63	55	51	50	59	58.9
FESSENDEN	MAX	86	99	91	64	68	82	85	78	86	83	84	81	84	86	85	92	87	76	69	80	67	79	92	91	88	71	81	75	69	84	88	81.6
	MIN	48	67	59	54	55	64	60	61	59	60	58	56	59	50	60	66	62	59	43	52	51	45	59	61	58	55	57	59	47	61	53	56.7
FORMAN	MAX	91	101	106	86	82	90	94	83	78	79	82	83	78	81	86	90	85	79	74	84	78	83	95	101	94	92	90	81	76	82	85	86.1
	MIN	57	62	80	69	65	63	74	67	56	51	64	59	57	49	53	68	68	55	46	58	48	49	62	65	76	65	56	56	49	49	63	60.0
FORT YATES	MAX	90	106	102	88	80	92	98	84	82	75	81	83	85	80	86	95	90	80	80	84	80	90	103	100	90	92	85	85	87	88	90	88.1
	MIN	49	68	64	60	60	69	62	61	51	57	62	65	51	56	51	51	55	52	46	56	45	42	70	56	56	56	57	49	48	49	58	55.9
FOXHOLM WILDLIFE REF	MAX	90	92	90	68	72	82	88	83	74	80	84	82	83	88	92	100	93	82	73	69	65	84	87	89	89	90	86	84	77	90	83	83.5
	MIN	46	62	62	51	56	62	58	61	50	44	44	59	59	60	59	58	60	58	37	51	52	53	54	59	65	54	49	54	44	50	57	54.5
FULLERTON	MAX	92	104	111	88	84	97	90	83	76	83	83	83	70	82	89	92	85	76	77	88	81	85	97	97	94	95	91	82	75	86	87	87.2
	MIN	54	59	69	62	62	67	65	64	53	53	62	59	56	50	51	56	64	55	44	56	51	44	64	62	76	54	61	61	47	48	58	57.6
GACKLE	MAX	89	99				90	91	85	77	75	81	80	79	79	86	89			88	85	85		93	95	93	89	89	80	70		84	85.5
	MIN	57	65			55	66	62	62	51	52	60	61	56	52	54	60			43	52	49		45	64	59	51	59	60	48		51	55.8
GARRISON	MAX	90	98	92	72	69	88	91	82	79	78	88	85	80	83	91	99	96	81	75	81	71	83	92	92	89	94	86	79	78	91	91	85.3
	MIN	45	62	65	58	58	65	63	59	48	49	51	62	60	54	54	63	59	58	43	53	52	44	55	62	65	50	59	60	43	54	56	55.8
GRAFTON STATE SCHOOL	MAX	87	91	95	75	70	76	84	86	81	81	87	83	86	86	87	95	92	85	70	74	72	77	87	86	90	90	87	82	70	79	84	83.1
	MIN	47	59	59	58	56	62	63	65	52	47	58	53	52	56	58	58	65	58	42	50	58	43	59	60	69	52	59	56	49	47	56	55.7
GRAND FORKS CAA	MAX	88	94	84	75	69	83	85	86	75	79	83	78	81	84	86	92	85	75	68	78	69	77	88	89	94	91	84	74	71	80	85	81.6
	MIN	48	59	61	56	61	63	66	60	55	51	63	58	55	60	59	61	61	57	47	53	53	45	64	62	58	53	63	53	50	51	60	57.0
GRAND FORKS UNIVERSITY	MAX	85	93	84	76	70	82	84		76	79	83	79	81	83	85	92	85	75	69	77	68	76	88	89	94	91	84	75	72	80	83	81.3
	MIN	49	56	59	55	60	64	66		53	51	59	57	54	58	58	60	64	54	47	54	51	45	62	63	64	55	63	52	49	50	57	56.3
GRANVILLE	MAX	91	94	87	72	73	83	89	85	75	79	82	80	81	86	90	98	95	76	78	75	69	81	90	90	85	88	85	79	74	88	80	83.2
	MIN	45	60	60	54	56	63	61	60		47	52	59	58	56	57	63	57	54	49	52	51	43	55	59	56	50	53	56	43	53	56	54.6
GRENORA	MAX	89	100	95	85	78	88	90	98	91	88	80	85	87	83	93	103	97	72	62	80	64	71	86	94	92	88	87	84	80	92	87	86.1
	MIN	48	60	60	53	56	63	63	63	42	48	50	52	58	56	64	70	57	58	47	58	52	49	52	59	59	56	57	50	41	57	56	55.3
HANKINSON RR STATION	MAX	82	90	103	107	87	80	84	92	81	77	80	75	82	67	84	87	85	90	79	72	89	78	80	96	97	100	89	88	82	70	87	85.2
	MIN	52	60	75	67	66	65	66	68	57	58	62	61	58	50	60	60	62	60	48	53	56	50	56	66	65	60	63	62	50	47	55	59.3
HANNAH	MAX	83	91	89	76	70	78	93	80	72	79	85	76	83	85	94	94	89	79	80	66	64	72	89	89	85	87	86	80	72	81	76	81.4
	MIN	47	58	56	52	54	50	57	62	46	47	57	50	54	60	60	62	62	56	58	39	51	41	58	60	62	53	58	53	47	48	62	54.2
HANSBORO	MAX		92	76	69	80	73	94		77	81		85	86	87	88	97	82	68	69	62	65	79	89	87	83	86	84	75		83	81	80.7
	MIN		45	55	46	55	60	65		46	45		46	51	53	53	55	60	54	35	46	49	40	57	55	65	53	54	51		45	53	51.6
HILLSBORO	MAX	81	97	94	77	76	81	84	86	86	78	82	80	78	84	88	92	84	77	72	80	74	76	90	91	94	89	85	81	72	80	85	83.0
	MIN	63	57	64	59	48	63	65	65	62	55	62	60	56	56	62	57	63	57	51	55	56	46	63	62	70	55	61	56	51	48	60	58.3
JAMESTOWN CAA	MAX	91	104	93	82	75	86	87	81	76	72	84	82	74	83	88	92	86	74	72	85	69	81	94	94	87	93	83	76	73	81	84	83.3
	MIN	47	61	62	56	59	66	64	59	52	52	62	61	59	54	56	58	58	57	41	55	52	46	65	61	60	51	60	52	46	51	56	56.1
JAMESTOWN STATE HOSP	MAX	93	104	98	82	76	85	85	81	76	73	84	83	77	84	91	92	85	81	74	85	79	80	95	94	90	93	84	79	71	82	84	84.5
	MIN	47	60	70	57	60	66	66	64	54	54	63	62	60	54	56	59	66	57	44	55	53	48	66	64	71	51	60	62	49	51	59	58.3
KENMARE	MAX	77	89	95	69	67	70	82	90	79	79	82	85	86	92	90	90	98	82	73	72	64	68	80	86	88	83	94	80	67	82	92	81.6
	MIN	48	58	64									57	58	60	62	65	57	57	46	50	52	45	54	58	64	55	52	54	46	50	55	55.1
KENSAL WILDLIFE REFUGE	MAX	92	96	84	64	70	77	83	81	70	69	82	80	77	82	80	93	74	71	69	82	76	69	91	92	83	82	82	78	65	70	70	78.5
	MIN	60	58	60	55	56	63	65	59	48	52	55	58	55	55	56	55	59	52	40	52	50	42	57	57	67	48	53	61	44	47	48	54.4

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
LA MOURE	MAX	88	100	105	85	82	90	88	81	78	78	81	84	72	85	86	95	97	91	72	85	80	82	102	100	105	90	90	85	75	80	86	87.0
	MIN	47	61	71	61	61	66	66	64	54	53	63	62	59	53	54	56	65	60	43	58	51	45	67	64	63	50	59	59	47	48	61	57.8
LANGDON EXP FARM	MAX	85	92	88	75	73	68	92	86	76	81	85	81	82	83	87	96	91	80	70	65	64	78	90	88	83	80	85	80	72	80	75	81.0
	MIN	46	63	55	52	54	60	63	60	45	45	47	47	53	50	53	58	66	53	37	47	50	39	55	52	65	50	59	50	45	47	55	52.3
LARIMORE	MAX	85	94	86	74	67	81	80	84	76	78	84	78	81	82	83	93	93	79	71	73	72	76	85	90	90	91	82	75	72	79	84	81.2
	MIN	50	60	64	55	60	62	66	65	54	51	60	57	57	59	61	63	60	60	46	52	54	46	62	62	76	57	59	60	49	52	59	58.0
LEEDS	MAX	90	99	92	71	74	83	95	82	78	81	91	86	86	87	91	99	93	83	74	74	66	84	96	93	88	95	89	81	74	87		85.4
	MIN	47	63	59	54	59	63	67	61	49	47	54	54	58	57	58	66	66	59	42	52	51	44	56	59	65	57	58	55	49	52		56.0
LINTON	MAX	90	103	103	81	85	95	97	83	81	79	85	85	75	80	89	93	89	77	79	91	75	85	98	100	92	93	90	79	76	90	92	87.4
	MIN	48	68	68	60	60	68	64	63	51	57	62	60	60	49	51	58	57	53	49	56	52	46	68	60	72	53	60	60	48	55	58	57.9
LISBON	MAX	83	89	99	101	84	81	82	90	84	77	77	82	83	71	83	88	90	85	77	73	83	74	80	91	95	95	90	88	81	72	81	84.2
	MIN	44	51	69	62	64	67	70	65	54	51	63	60	57	51	53	58	61	56	44	50	54	44	51	62	78	49	55	61	49	45	52	56.5
MADDOCK AGR SCHOOL	MAX	88	95	92	70	67	82	88	80	75	77	85	83	82	84	88	96	87	81	71	78	76	80	93	92	86	94	86	78	74	87	85	83.2
	MIN	48	59	60	53	58	63	66	60	48	47	52	57	57	56	56	60	64	59	39	51	50	40	55	60	65	47	56	59	47	47	57	54.7
MANDAN EXP STATION	MAX	82	89	104	85	74	75	92	96	82	80	75	85	83	75	81	90	95	86	75	78	87	72	84	101	96	84	89	82	73	74	90	84.3
	MIN	48	65	69	59	58	61	61	60	51	57	53	60	59	52	56	61	64	59	45	54	56	45	58	59	68	51	58	58	49	57	60	57.1
MANDAN FT LINCOLN PARK	MAX	92	108	105	78	72	96	98	88	81	80	82	88	78	85	90	96	92	87	78	88	84	87	105	102	94	92	84	79	78	94	91	88.8
	MIN	48	65	66	56	58	67	61	60	50	55	55	54	59	54	65	61	64	57	45	54	46	41	65	60	64	50	58	58	49	53		56.6
MARMARTH	MAX	96	102	89	82	83	93	97	95	88	80	87	90	75	83	93	104	89	89		86	77	93	101	105	98	94	90	74	81	95	98	90.2
	MIN	50	52	68	60	55	63	60	65	45	62	50	55	57	53	52		60	55		52	50	47	57	65	57	47	55	52	49	52	52	55.1
MAX	MAX	86	90	96	77	65	68	88	95	82	79	80	87	83	79	87	94	98	85	72	74	78	66	83	87	92	80	93	85	69	76	90	82.7
	MIN	47	51	65	56	57	58	63	62	60	50	54	52	63	53	53	54	60	57	49	42	52	51	41	52	61	60	50	58	46	54	59	54.5
MAYVILLE	MAX	87	95	92	76	74	80	84	85	76	77	83	79	83	88	88	92	88	81	71	82	75	92	90	92	90	90	86	80	72	80	85	83.6
	MIN	49	61	68	57	60	64	67	65	55	52	63	59	56	59	62	61	66	57	46	55	55	55	62	62	72	55	61	61	49	51	60	58.9
MC CLUSKY	MAX	84	90	102	80	70	77	89	93	78	77	78	86	82	78	83	84	94	84	73	73	83	75	83	97	93	85	93	84	72	77	88	83.4
	MIN	48	63	65	60	54	61	62	60	52	52	53	63	58	53	55	51	52	46		40	36	33	50	52	63	55	55	57	44	50	57	53.3
MC HENRY 5 N	MAX	88	98	85	71	67	82	84	79	74	74	82	76	77	80	85	93	82	75	70	82	75	76	91	85	84	90	79	75	70	79	83	80.4
	MIN	44	61	58	55	57	63	65	60	51	50	59	58	56	54	54	58	65	56	44	53	50	45	59	62	65	50	59	55	48	49	59	55.5
MC LEOD 3 E	MAX	90	100	104	85	78	84	90	83	79	77	80	82	81	83	87	90	85	79	73	85	79	80	95	97	90	89	87	82	72	82	87	85.0
	MIN	49	50	70	63	65	57	68	66	56	55	63	60	58	51	55	59	68	54	45	58	54	46	65	64	72	54	62	62	48	48	58	58.2
MEDORA STATE PARK	MAX																104	94	80	79			99	95	104	92	93				95	98	
	MIN																																
MEDORA T R N M P	MAX	96	100	95	75	72	93	97	84	87	82	88	89	75	85	92	103	95	81	83	77	72	89	93	105	101	94	88	72	80	93	95	88.1
	MIN	38	46	65	58	56	58	55	57	39	62	44	60	56	47	53	63	54	56	51	55	51	42	53	64	64	45	50	53	44	55	49	53.0
MINOT CAA	MAX	93	89	74	68	70	83	89	76	74	79	85	81	81	85	91	99	83	72	74	72	65	81	89	91	82	92	83	63	75	89	82	81.0
	MIN	66	51	58	53	56	64	64	59	50	53	59	59	61	61	62	67	58	51	44	53	51	45	56	62	60	56	54	52	44	55	56	56.1
MINOT EXP FARM	MAX	88	93	89	70	68	83	88	81	73	78	85	80	80	85	90	98	92	77	73	73	65	81	88	91	86	91	83	75	74	88	85	82.3
	MIN	47	65	61	54	55	63	63	61	47	51	55	60	60	58	60	66	58	66	42	51	50	44	54	59	63	53	53	55	44	55	56	55.8
MOHALL	MAX	85	92	75	67	70	80	88	76	72	80	83	82	83	85	89	98	81	69	71	64	63	78	85	86	79	88	85	71	76	88	75	79.5
	MIN	45	57	57	47	55	63	59	55	45	46	52	54	55	58	55	59	55	51	41	51	46	43	54	55	59	50	50	51	41	50	53	52.0
MOTT RR STATION	MAX	91	104	99	79	84	91	91	81	83	81	85	83	73	81	92	99	91	78	81	90	86	91	101	105	98	91	89	84	79	92	96	88.7
	MIN	45	66	65	58	50	65	60	58	46	58	54	47	55	48	49	60	58	56	57	53	47	42	42	47	64	47	49	49	48	51	53	53.1
MUNICH 4 SW	MAX	84	93	83	73	77	73	92	82	75	79	84	78	82	79	84	94	84	68	69	64	64	77	92	88	81	89	82	74	71	73	81	79.6
	MIN	45	59	56	53	54	61	64	60	48	46	47	50	54	52	53	57	63	54	40	49	50	38	50	56	64	49	58	54	43	45	46	52.2
NAPOLEON 2 SE	MAX	88	101	98	77	80	91	91	81	77	76	79	81	75	78	84	91	86	80	75	87	69	80	96	94	92	90	83	76	71	83	83	83.6
	MIN	52	65	67	66	58	67	62	59	51	53	61	61	57	51	54	56	67	44	41	54	49	45	67	58	68	50	57	59	47	51	59	56.6
NEW ENGLAND	MAX	94	104	98	75	81	93	93	85	85	85	89	89	83	82	93	102	99	88	85	91	74	93	101	104	94	96	89	74	80	94	96	90.0
	MIN	45	55	55	55	55	65	55	56	41	59	46	61	56	46	50	60	43	47	47	34	40	37	59	63	61	43	59	53	48	51	53	51.5
NEW SALEM 1 S	MAX	98	106	85	77	85	92	98	86	92	85	88	85	84	80	90	96	85	76	80	82	71	85	102	103	91	90	81	71	80	93	94	87.5
	MIN	57	62	61	59	54	60	61	62	60	54	55	59	52	51	56	58	68	57	52	49	46	46	52	56	64	62	58	55	48	53	55	56.2
OAKES WATER WORKS	MAX	86	92	99	105	84	82	94	92	83	80	77	83	84	72	82	87	91	87	78	76	89	75	85	97	98	94	92	95	82	74	83	86.4
	MIN	51	62	71	64	65	69	73	67	56	54	64	60	59	52	54	57	63	56	47	57	52	46	58	61	76	56	63	63	48	49	57	59.0
PARK RIVER	MAX	85	93	84	74	69	75	84	85	78	81	86	79	86	85	88	96	92	84	72	72	71	78	87	85	89	90	87	80	72	80	84	82.3
	MIN	51	62	60	56	59	63	65	66	53	50	59	55	56	60	62	63	58	60	45	52	55	46	55	62		57	62	55	48	53	59	56.9
PARSHALL	MAX	90	92	90	67	70	87	88	86	78	80	85	84	78	82	91	97	93	74	75	72	67	82	86	93	92	91	87	69	76	89	88	83.2
	MIN	36	58	60	52	52	63	55	57	41	50	46	59	57	53	50	61	55	55	42	55	50	41	50	58	62	42	48	56	41	52	51	51.9
PEMBINA CAA	MAX	85	91	81	73	80	70	85	86	75	82	86	78	83	82	86	95	86	72	66	65	65	76	85	88	90	89	83	68	71	79	79	80.0
	MIN	46	58	55	52	60	63	66	62	52	46	49	53	51	54	56	59	55	51	49	47	52	42	60	57	58	53	61	51	51	49	55	54.0
PETERSBURG	MAX	84	93	77	70	66	78	84	82	75	76	84	76	79	79	87	92	84	73	73	76	72	77	86	86	86	78	81	72	71	79	85	79.4
	MIN	48	64	60	54	58	62	64	62	50	50	59	54	56	54	53	60	66	58	42	50	48	48	60	63	67	54	57	57	47	52	58	56.0
PETTIBONE	MAX	89	104	85	85	71	91	88	79	75	72	83	81	79	82	89	92	84	84	72	85	76	79	96	92	81	91	81	75	74	84	85	83.4
	MIN	45	61	63	55	56	64	62	60	49	52	60	62	58	53	58	61	65	58	42	55	56	48	62	59	68	49	52	56	49	49	58	56.3
PORTAL	MAX	77	89	94	70	66	70	85	89	74	74	81	81	83	85	89	91	100	80	72	73	61	69	77	86	88	82	84	85	73	77	89	80.5
	MIN	43	55	56	48	53	57	60	55	42	44	53	55	51	57	57	61	51	54	43	48	51	45	50	55	60	48	50	53	45	50	53	51.7
RICHARDTON ABBEY	MAX	91	102	85	71	78	92	90	82	85	78	89	89	76	80	91	98	87	75	80	87	67	88	94	100	86	93	85	70	80	90	92	85.5
	MIN	50	61	68	56	53	64	61	60	46	56	49	59	55	49	53	61	58	55	46	50	48	45	63	59	61	54	55	52	46	52	59	55.0
RIVERDALE	MAX	81	90	96	78	72	70	86	91	79	64	80	87	84	75	82	90	94	85	85	75	84	70	83	92	91	82	92	86	69	72	90	82.4
	MIN	52	60	64	55	54	56	61	53	50	52	52	61	59	58	52	59	60	57	44	51	50	46	57	62	64	53	52	56	47	54	57	55.1
ROLLA	MAX	83	92	84	65	73	73	92	80	74	78	85	79	81	82	86	96	87	78	65	60	62	78	86	86	86	81	68	69	83	77	78.9
	MIN	46	58	58	50	55	60	64	63	50	49	56	53	58	56	67	62	61	55	39	48	50	45	54	58	67	53	58	51	48	49	56	54.7
RUGBY	MAX	86	96	92	78	78	84	96	90	76	80	89	84	86	86	89	98	94	75	72	73	68	84	92	90	87	91	88	82	74	88	87	84.9
	MIN	50	62	52	58	58	63	66	62	48	51	54	59	60	56	56	64	63	59	42	52	52	44	57	62	67	54	58	56	49	58	59	56.5
SANISH	MAX	80	95	100	72	62	70	90	90	79	79	83	88	78	80	86	93	102	82	74	74	70	68	84	89	96	82	90	90	68	77	91	82.6
	MIN	38	47	60	47	53	57	56	54	45	49	47	53	54	53	56	59	57	55	42	47	51	41	44	54	63	41	55	54	44	44	53	50.7
SHARON	MAX	85	93	84	71	68	80	81	85	77	75	83	78	80	86	88	90	85	72	73	81	75	80	90	86	86	78	83	77	70	77	83	80.7
	MIN	59	65	69	55	56	62	67	63	51	52	60	58	57	53	59	60	61	55	42	53	53	48	45	62	67	53	53	57	47	50	60	56.5
STANLEY	MAX	91	95	72	62	68	87	86	76	76	80	83	81	82	87	94	100	82	73	73	64	65	81	87	92	80	87	88	65	76	85	84	80.7
	MIN	42	51	53	48	50	60	56	52	40	45	49	56	56	52	54	56	59	46	37	48	46	37	51	55	56	45	42	49	40	50	51	49.4
STEELE	MAX	84	100	89	81	73	89	90	80	76	73	81	81	73	78	85	92	82	74	75	87	68	81	97	94	85	92	79	75	73	84	84	82.4
	MIN	58	65	63	63	56	67	63	59	49	54	54	61	57	51	51	52	59	48	44	45	44	58	57	59	68	53	57	58	46	51	52	55.5
TOWNER	MAX	88	95	90	75	67	84	93	78	75	86	88	82	83	86	91	99	90	69	79	75	65	82	92	90	88	96	88	78	88	90	83	84.3
	MIN	44	59	60	55	54	63	62	65	47	47	48	57	60	57	54	63	58	57	38	52	61	42	53	59	56	50	48	53	42	53	48	53.7
TURTLE LAKE	MAX	88	97	87	69	68	86	91	82	77	75	86	83	77	82	90	95	85	75	75	84	68	84	92	95	88	90	86	77	75	89	89	83.4
	MIN	45	61	66	56	57	63	62	60	48	52	51	62	58	54	55	62	59	53	42	52	51	48	58	62	68	57	54	57	45		53	55.7
UNDERWOOD 12 W	MAX	91	100	81	73	70	90	94	80	79	79	89	86	79	82	90	97	85	75	73	86	70	85	92	99	92	94	88	75	77	92	92	85.0
	MIN	38	58	63	55	56	65	61	55	47	55	46	62	59	57	54	60	62	55	50	41	51	41	61	71	66	45	51	57	41	56	52	54.5
UPHAM WILDLIFE REFUGE	MAX	88	96	92	73	74	87	93	92	76	80	88	85	85	89	89	100	91	82	78	77	68	82	90	90	87	91	87	85	74	88	84	85.2
	MIN	43	52	68	52	57	61	62	61	43	44	49	51	57	49	49	55	70	54	35	51	48	40	54	55	62	47	49	54	41	52	54	52.2
VALLEY CITY	MAX	90	101	97	83	77	86	86	84	79	70	83	82	80	84	90	90	88	84	83	84	82	79	92	94	92	90	89	80	76	81	85	85.2
	MIN	52	64	73	59	61	66	69	63	52	58	64	62	60	56	58	60	65	56	52	55	54	49	65	62	75	53	63	61	50	47	59	59.5
VAN HOOK	MAX	93	96	92	71	69	90	90	84	80	81	87	85	79	85	94	101	91	79	77	72	69	84	89	96	83	93	89	68	76	90	88	84.5
	MIN	43	59	63	53	53	64	56	59	44	52	49	60	59	54	55	63	59	53	44	53	55	43	53	59	64	47	51	53	43	55	56	54.0
VELVA	MAX	89	93	88	71	69	85	90	83	76	81	84	80	81	85	87	98	93	80	73	75	71	81	89	92	89	89	82	75	74	90	81	83.0
	MIN	50	65	64	55	58	64	62	60	48	48	53	62	61	60	60	70	60	60	40	54	53	45	55	60	68	54	54	59	45	52	58	56.7
WAHPETON STATE SCHOOL	MAX	87	97	104	101	84	90	92	90	80	78	77	82	79	82	85	88	86	81	77	84	83	79	92	95	97	88	87	86	79	78	81	86.1
	MIN	52	64	75	68	66	66	68	68	58	56	64	61	59	51	57	60	68	60	48	58	55	48	65	69	75	65	63	64	50	50	60	61.0
WASHBURN	MAX	89	98	94	69	70	88	95	89	79	76	86	83	81	83	89	95	91	77	75	85	70	84	94	96	92	89	83	79	76	89	88	84.9
	MIN	48	67	66	58	58	67	63	61	50	56	54	63	61	62	58	65	64	60	47	54	53	47	65	64	68	56	57	58	49	58	60	58.6
WATFORD CITY	MAX	95	99	90	72	67	89	92	79	81	82	85	87	80	86	94	103	89	74	81	77	64	86	90	96	84	88	88	73	79	93	94	85.1
	MIN	45	57	63	53	52	64	59	58	45	56	52	62	59	54	59	64	49	56	52	53	51	45	56	62	63	50	55	54	44	57	56	55.0
WESTHOPE	MAX	85	95	73	68	71	82	91	78	77	81	86	84	85	86	89	96	82	65	73	65	68	78	88	87	88	89	87	81	80	86	73	81.2
	MIN	45	56	60	50	56	63	61	55	46	48	53	52	58	57	63	60	56	49	49	51	51	44	57	58	61	51	53	52	43	53	56	53.8
WILLISTON WB CITY	MAX	94	97	72	64	67	90	91	77	78	83	81	85	80	87	92	102	79	73	78	71	67	85	88	96	81	84	82	66	78	94	87	82.2
	MIN	51	58	57	53	54	64	64	58	47	58	56	61	59	59	62	67	57	55	53	53	52	50	57	66	62	55	57	55	48	61	58	57.0
WILTON RR STATION	MAX	79	88	100	81	69	70	87	92	79	76	73	82	80	74	80	87	92	84	73	75	83	69	81	98	94	84	86	80	70	73	87	81.5
	MIN	51	60	69	54	56	56	62	58	50	53	53	59	56	50	49	56	60	55	43	51	50	44	54	61	66	51	56	56	48	51	56	54.6
WISHEK	MAX	88	88	100	104	78	82	93	91	82		79	82	82	73	81	86	93	83	74	75	88	68	83		96	81	89	87	75	72		84.0
	MIN	44	64	64	59	61	60	63	58	48		49	55	53	46	46	55	64	49	39	54	48	41	61		57	48	56	58	45	48		53.3

See reference notes following Station Index.

NORTH DAKOTA

JULY 1949

STATION INDEX

Station	Index No.	County	Drainage††	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSE	10	48 20	88 06			7A	WYRA J BOTA	3
ALEXANDER RR STATION	0086	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J HAUMAN	3
ALMONT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 5
ALPHA 1 S	0148	GOLDEN VALLEY	7	46 37	103 48			7P	B A BURY	3
AMIDON	0209	SLOPE	1	46 29	103 18	2908	5P	5P	STANLEY W BALE	2 3 5
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 56	97 30	960	6P	6P	ALBERT THORRN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	99 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5
EALDEILL DAM	0450	HARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
EALFOUR RR STATION	0492	MC HENRY	12	47 57	100 32			MID	C G THOMSON	3 4
EEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F HOOGIN	2 3 5
EELCOURT INDIAN RES	0626	ROLETTE	9	48 50	99 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	8	47 16	101 47	1780		7P	KNIFE RIV CDAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1601	6P	6P	ROBERT L PETERSON	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1670	10A	10A	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1650	MID	MID	U S WEATHER BUREAU	2 3 4 5
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	2 3 5
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O H EOOK	2 3 4 5
BRIEN	1052	MORTON	1	46 23	100 57	1719		8A	MELVIN NELSON	3
BUTTE	1225	MC LEAN	12	47 50	100 40	1740	6P	6P	M O ANDERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5
CASSELTON	1400	CASS	10	46 54	97 13	934	5P	5P	WALLACE G SWEENEY	2 3 5
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5
COGSWELL 6 W	1525	SARGENT	5	46 07	97 55	1291		7A	JOHN WASDAHL	CLOSED
COLGATE	1686	STEELE	10	47 14	97 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	R J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICEOLS	2 3 5
DAWSON	2018	KIDDER	8	46 52	89 45	1730		MID	LOUIS J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5
DICKINSON CAA	2183	STARK	4	46 48	102 48	2587	MID	MID	CAA	2 3 4 5
DICKINSON EXP STATION	2188	STARE	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMMARS	2 3 5
DUNSBITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELEOWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	H W CASE	2 3 5
ELLENDALE NORMAL SCR	2605	DICKEY	5	46 00	98 31	1457	8P	8P	J H DRAWER	2 3 5
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T SEACHLER	2 3 5
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LAREON	3
FARGO WE AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAU	2 3 4 5
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5
FORT YATES	3207	SIOUX	8	46 05	100 38	1670	6P	6P	P J JACOBSON	2 3 5
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	U S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	MID	MID	MAE H VORACHEK	2 3 4 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2080		MID	NICK GAUER	3 4
GOLVA	3556	GOLDEN VALLEY	7	46 44	103 59	2781		MID	CHESTER K PUDA	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5
GRAND FORKS CAA	3618	GRAND FORKS	10	47 56	97 05	834	MID	MID	CAA	2 3 4 5
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3678	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROHLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN HISSB	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	HOMER A HENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1568	6P	6P	A E PRIOR	2 3 5
HANSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W H DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	B J REYNOLDS	3
HAZELTON RR STATION	1083	EMMONS	8	46 29	100 17	1978		MID	EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAMS	3	46 00	102 38	2675	8P	6P	EDGAR MARTIN	2 3 5
HILLSBORO	4203	TRAILL	10	47 24	97 04	801	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS H RUTH HUCHWITZ	3 4
JAMESTOWN CAA	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	CAA	2 3 4 5
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	THEO B BCKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SH	4823	BOTTINEAU	12	48 39	100 37			MID	PAUL A ERETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REWICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	JESSE P PHILLIPS	2 3 5
LEEDS	5078	HENSON	2	48 17	99 28	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5
LISBON	5220	RANSOM	11	46 28	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1804	6P	6P	BENSON CY AGR SCHOOL	2 3 5
MANDAN EXP STATION	5478	MORTON	4	46 48	100 54	1750	HA	HA	NO G P FIELD STA	2 3 4 5 8
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 48			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	6P	S P GRANE	2 3 5
MAX	5838	MC LEAN	8	47 48	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5680	TRAILL	10	47 30	97 18	975	6P	6P	H A RAGAZ	2 3 5
MC CLUSKY	5710	SHERIDAN	8	47 29	100 28	1843	11A	11A	J A HAMILTON	2 3 5
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MID	HARTVIN E HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	98 35	1509	8P	8P	C E BLASKY	2 3 5
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSDN	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1487		6P	H B KNIEFEL	3
MEDINA 1 W	5788	STUTSMAN	8	46 53	99 18			6P	RUDOLPH GRAF	3
MEDORA STATE PARK	5808	HILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	2 3 5
MEOORA TRMMP	5813	HILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5
MILNOR	5933	SARGENT	10	46 16	97 28	1117	6P	6P	E W WILSON	CLOSED
MINOT CAA	5988	WARD	12	48 15	101 17	1724	MID	MID	CAA	2 3 4 5
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MORALL	6025	RENVILLE	12	48 46	101 31	1638	9P	8P	IVER JOHNSON	2 3 5
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	ROLF HANSDN	3
MOTT RR STATION	6155	HETTINGER	1	46 22	102 20	2440	6P	6P	NORTHERN PAC AGT	2 3 4 5
MUNICH 4 SW	6185	CAVALIER	2	48 38	98 53	1588	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 2 SE	6255	LOGAN	8	46 28	99 43	1955	7P	7P	GLADYS J PETERSON	2 3 5
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	HA	ADNA 5 HATCB	2 3 5
NEW ROCKFORD 6 NW	6355	EDOY	5	47 44	99 15	1550	6P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 8	6365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 5
OAKES WATER WORKS	6620	DICKEY	5	46 08	98 05	1318	8A	8A	C M HAGEN	2 3 4 5
OMEMEE 3 SE	6703	BOTTINEAD	12	48 39	100 20			MID	ARTHUR B VOLLMER	3 4
PARK RIVER	6857	WALSH	10	48 23	97 45	898	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBEET	2 3 5
PEMBINA CAA	6847	PEMBINA	10	48 57	97 15	782	MID	MID	CAA	2 3 4 5
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C DVERLAND	2 3 5
PETTIBONE	7047	EIDDER	8	47 07	88 31	1856	7P	7P	L H DETHLOFF	2 3 5
PORTAL	7201	BURKE	12	48 00	102 33	1954	9A	9A	D S CUSTOMS SER	2 3 5
POWERS LAKE	7281	BURKE	8	48 34	102 38	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	7P	7P	ASSUMPTION ABBEY	2 3 5
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO H FAGERLUND	2 3 5
RUGBY 1 N	7704	PIERCE	12	48 23	100 00	1542	9P	9P	BOYD C HAWK	2 3 5
RYDER	7749	WARD	8	47 55	101 40	2106		9A	S C SCHELLENBAUM	3
SANIBB	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	B J BUGGH	2 3 5
SARLES	7844	CAVALIER	9	48 57	99 00	1585		MID	CLARENCE J OLSON	3 4
SEARING	7944	MC KENZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE	7952	SIOUX	8	46 02	100 56	2183		7P	J B SMITH	3
SHARON	7986	STEELE	10	47 36	87 54	1516	8P	8P	HUGH LYON	2 3 5
SHERWOOD	8047	RENVILLE	12	48 00	101 38	1647		6P	U S CUSTOMS SERV	3
STANLEY	8278	MOUNTRAIL	8	48 18	102 24	2256	7P	7P	LEROY EDWARDS	2 3 5
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGH N PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST H EIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1936		8P	ADAM LEND	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8813	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5
VALLEY CITY	8937	BARNES	11	46 55	98 00	1228	6P	6P	MISS I C ROBERTSON	2 3 5
VAN SOOE	8870	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	8085	RICHLAND	10	46 17	96 36	962		MID	NEWTON O JONKS	3 4
WAHPETON STATE SCEOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCE	2 3 5
WALHALLA	8155	PEMBINA	8	48 56	97 55	866		7P	PETER PAULUS	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	8233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		8P	JONATHAN WINKJER	3
WILLISTON WB CITY	8425	WILLIAMS	8	48 09	103 35	1877	MID	MID	U S WEATHER BUREAU	2 3 4 5
WILLOW CITY	9445	BOTTINEAU	12	48 36	100 17	1471	6P	6P	D M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 08	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISBEK	8515	MC INTOSH	8	46 18	99 34	2010	8A	8A	H M LARSON	2 3 5

‡ DHAINAGH CODB: I Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 Jamee; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; IO Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See Table 6 following Table 1.
See reference notes following Table 2.

GPO CH FSO 9-1-49 1,100

Nat Hist

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

NORTH DAKOTA

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AUGUST 1949
Volume LVIII No. 8



CHICAGO: 1949

NORTH DAKOTA - AUGUST 1949

F. J. Bavendick, Section Director - Bismarck

GENERAL SUMMARY

This month was one of the warmest and driest Augusts on record. The mean temperature of 71.2 degrees for the month has been exceeded only once in the climatological history of the State which was August 1937. All sections of the State averaged more than 4 degrees above normal. The highest temperatures were recorded on the 7th, 8th, and 9th with nearly all stations having readings above 100 degrees. The month was practically frost free except for some light widely scattered frosts in the west and northwest at the close of the month.

Precipitation averaged 1.33 inches below normal in the East, 1.05 inches below in the Middle, and 0.86 inches below normal in the Western Divisions. Practically all stations reported below normal amounts. A very few stations in the central and east reported above normal generally due to locally heavy showers. Some hail was reported from many sections of the State. There have been only three years in the climatological history of the State in which the month of August has had less rainfall than the present month;these were 1917, 1929, and 1933.

With such warm, dry weather, conditions were ideal for harvesting and threshing. Harvesting was generally in full swing during the first week and most small grains were completed during the fourth week except for flax. Some scattered shock threshing still remained at the end of the month especially in the northern sections. Wheat yields were not generally as high as had been expected earlier in the season and were quite spotty. The average yield appears to be less than 10 bushels per acre although there were scattered fields that went more than 20 bushels. Some fields were abandoned as too poor to pay to harvest. Some late fields were damaged considerably by aphids. The flax crop was damaged quite severely by grasshoppers towards the end of the month in many parts of the State. Oats and barley were generally only fair with many fields damaged by aphids. Corn made good progress in the warm weather though it began to suffer from lack of rain during the month. Crops in general ranged from poor in the southwest to good in the north-central portion. Potatoes and sugar beets were fair to good in the Eastern Division. Pastures deteriorated considerably during the month in all sections of the State. Livestock did not suffer from lack of feed and were in good condition at the end of the month, although heavy shipments were made from the southwest sections. Many areas reported soil too dry for fall plowing. Many farmers delayed fall work until more rainfall was received.

There were scattered reports of wind and hail storms during the month causing some crop damage and damage to buildings. One man was reported killed by a stroke of lightning in the Minot vicinity.

C.J.S

TEMPERATURE

The mean temperature for the State was 71.2°, which is 4.5° above normal for the month. The monthly mean temperatures ranged from 74.4° at Oakes to 66.9° at Belcourt. The highest temperature recorded in the State was 111° at Watford City, on the 7th and at Sanish on the 8th and the lowest 30° at Parshall on the 30th.

PRECIPITATION

The average precipitation for the State was 0.99 inch, which is 1.07 inches below normal for August. The total amounts recorded at various stations ranged from 4.41 inches at Pretty Rock to a trace at Elbowoods. The heaviest rainfall reported in any one day was 2.20 inches at Pretty Rock on the 14th.

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this hulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was estahlished in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numhering about 2,000 recording, and 1,000 non-recording rain gages, has heen maintained hy the Weather Bureau through working funds transferred annually to the Weather Bureau hy the Corps of Engineers. These transfers averaged ahout $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred ahout $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred ahout $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this hulletin Series, data from Hydroclimatic Network Stations were presented in hulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas emhracing the entire United States, hut since the Network was estahlished to meet the internal requirements of the Federal agencies referred to above, no provision was made for puhlic dissemination of the data, distrihution heing limited to cooperating agencies and to certain puhlic repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are availahle for inspection may he ohtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this hulletin have heen made availahle through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes—inches				Wind speed—m. p. h.				Relative humidity averages—percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E. S. T.	7:30 a. E. S. T.	1:30 p. E. S. T.	7:30 p. E. S. T.	Percent of possible	
BISMARCK AIRPORT	30.23	31	29.52	23	9.5	57	NW	12	73	83	46	46	81	20
DEVILS LAKE	30.20	2	29.55	8	7.5	28	NE	18	-	-	-	-	83	39
FARGO AIRPORT	30.21	20	29.57	11	12.3	34	NW	24	75	86	45	44	78	30
WILLISTON	30.29	31	29.47	8	6.5	30	NW	8	-	-	-	-	54	94

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	67.3	105	24	2.39	0	8
1893	66.7	109	29	1.31	0	3
1894	68.8	102	30	1.14	0	4
1895	84.5	104	24	1.57	0	5
1896	64.7	107	21	1.12	0	5
1897	64.1	106	29	1.18	0	5
1898	65.4	104	24	1.69	0	5
1899	65.2	97	32	2.83	0	6
1900	70.4	114	33	5.06	0	10
1901	66.9	100	32	1.77	0	6
1902	64.3	96	26	2.30	0	8
1903	63.7	103	35	4.68	0	10
1904	63.3	102	31	1.61	0	6
1905	67.5	107	34	2.43	0	7
1906	66.3	105	31	1.84	0	7
1907	64.5	104	26	1.73	0	6
1908	63.2	104	25	2.16	0	7
1909	69.8	109	27	2.23	0	6
1910	63.1	109	24	1.46	0	5
1911	62.2	98	23	3.21	0	8
1912	63.4	118	32	2.88	0	10
1913	68.9	106	30	2.63	0	6
1914	64.2	101	26	2.29	0	7
1915	64.4	100	19	1.18	0	4
1916	66.0	100	26	2.67	0	8
1917	65.2	105	32	1.68	0	6
1918	66.5	102	34	3.38	0	8
1919	67.9	101	30	1.59	0	5
1920	68.8	108	28	1.53	0	5
1921	67.2	108	31	1.98	0	6
1922	69.8	115	33	1.31	0	6
1923	63.0	97	28	1.84	0	8
1924	63.8	102	28	1.57	0	6
1925	67.9	110	29	1.04	0	5
1926	65.6	105	36	2.37	0	7
1927	63.4	96	28	3.13	0	8
1928	64.8	105	25	3.09	0	8
1929	68.5	106	26	0.77	0	4
1930	70.4	104	32	1.45	0	6
1931	67.0	105	30	2.09	0	6
1932	68.3	100	28	1.89	0	7
1933	68.5	104	31	0.75	0	5
1934	67.4	108	25	1.15	0	5
1935	66.2	109	26	2.35	0	8
1936	69.8	110	29	1.40	0	6
1937	72.9	109	40	1.52	0	5
1938	69.8	109	33	1.50	0	6
1939	68.6	105	32	2.10	0	7
1940	67.8	103	33	2.05	0	7
1941	68.8	111	32	2.86	0	10
1942	66.3	105	33	3.09	0	9
1943	67.7	104	31	2.61	0	9
1944	65.6	102	34	4.37	0	11
1945	67.1	105	32	1.68	0	6
1946	65.2	104	29	1.62	0	7
1947	70.9	110	34	2.67	0	9
1948	68.6	103	35	1.76	0	6
1949	71.2	111	30	0.99	0	4
PERIOD	66.7	118	19	2.06	0	

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
AMENIA	72.3		101	8	43	30	14		1.03		.56	15				4	2	
ARVILLA STATE PARK	72.1		102	8	42	31	16		.93		.91	15				2	1	
BALDBILL DAM	70.4M				35	29			2.35		1.58	16	0.3			8		1
CARRINGTON	68.7M	1.6	101	8	32	29		1	1.18	- .89	.60	21				5	2	
CAVALIER POWER PLANT	70.7	4.8	103	8	39	31	13		1.63	- .88	1.41	12				5	1	1
UEVILS LAKE WB CITY	71.6	6.8	103	7	40	30	12		.37	-2.11	.16	18				5		
EDGELEY EXP FARM	71.6	3.9	103	23	40	31	11		.98	-1.37	.60	15				4	2	
EDMORE 1 W	69.8	5.0	101	7	34	30	8		.90	-1.43	.50	12				3	1	
ELLENDALE	74.0	5.3	103	23	44	30+	18		.71	-2.06	.18	9+				9		
FARGO WB AIRPORT	72.6	6.5	101	7	44	30	12		1.19	-1.70	.61	24				4	3	
FORMAN	73.8	5.6	102	23	41	29	15		.45	-2.30	.19	11				3		
FULLERTON	73.8	5.8	107	8	40	30	14		1.04	-1.50	.83	14				3	1	
GACKLE	71.5M	4.0	99	8+	41	30+			.96	-1.39	.50	19				2	2	
GRAND FORKS CAA	71.0	5.0	101	8	41	30+	9		2.49	- .13	1.44	15				5	3	1
GRAND FORKS UNIVERSITY	70.8	4.8	101	8	42	30+	7		3.54	.92	2.00	15				5	3	1
HANKINSON RR STATION	73.7	3.0	104	24	44	30	18		.60	-2.15	.45	30				2	1	
HANNAH	69.6M	5.5	100	7	38	28+	9		.91	-1.46	.70	18				2	1	
BILLSBORO	70.8	2.6	100	8	43	29+	8		.90	-1.85	.55	12				5	2	
JAMESTOWN CAA	70.8	3.9	102	7+	40	28+	11		.61	-1.94	.43	14				5	1	
JAMESTOWN STATE BOSPITAL	72.0	5.1	103	8	41	30	11		.43	-2.12	.21	15				4		
KENSAL WILDLIFE REFUGE	68.2		100	8	36	30	6		1.43		.51	19				6	3	
LA MOURE	73.4		103	7+	42	28+	19		.09		.05	15				3		
LANGDON EXP FARM	69.3	5.6	102	7	35	30	9		.78	-1.69	.32	26				6	2	
LARIMORE	71.3	5.4	101	8	43	30	11		2.22	- .49	1.20	18	T			3	3	1
LISBON	72.6	4.8	103	24	42	28+	18		.34	-2.56	.25	26				2	1	
MAYVILLE	73.2	5.3	100	9	43	27+	16		2.13	- .42	1.18	15				5	2	1
MC HENRY 5 N	69.8	4.1	100	7	39	30	8		.85	-1.47	.38	14				4	2	
MC LEOD 3 E	74.1	5.6	102	23	42	28	16		.15	-2.55	.15	30				1		
MUNICB 4 SW	68.9		101	7	37	30	6		2.28		1.49	11				6	2	1
OAKES WATER WORKS	74.4	5.3	102	9+	41	30	19											
PARK RIVER	71.8	5.2	103	8	43	31	11		1.85	- .45	1.63	12				4	1	1
PEMBINA CAA	69.7	5.0	100	7+	36	31	5		1.68	- .61	1.34	12				5	1	1
PETERSBURG	70.1		99	8	38	30	8		1.02	-1.34	.77	18				3	1	
SHARON	70.6	2.7	98	8	39	30	5		1.48	- .89	1.32	15	T			3	1	1
VALLEY CITY	72.0M	4.3	100	8	40	28	14		.85	-1.69	.65	15				2	1	
WAHPETON STATE SCHOOL	74.0M	5.3	99	23	43	28	14		1.00	-1.87	.57	29	T			4	2	
DIVISION	71.5	4.8							1.18	-1.33								
MIDDLE DIVISION																		
ASHLEY	71.2	4.0	100	8+	37	31	11											
BELCOURT INDIAN RES	66.9		101	7	32	28	6	1	1.07		.62	26	T					
BISBEE	68.9	3.2	102	6+	38	28+	7		.58	-1.77	.24	4				4		
BISMARCK WB CITY	72.7	4.5	103	8	43	31	9		2.15	.52	1.26	15				7	3	1
BISMARCK WB AIRPORT	72.4	5.7	105	7	40	31	12		3.25	1.43	1.95	14	T			8	3	1
BOTTINEAU	69.8M	4.9	104	7+	35	28	9		.64	-1.81	.35	26				6	1	
BOTTINEAU STATE PARK	69.2		99	7	33	31	7		.56		.26	12				3	1	
CARSON 2 SW	72.8	4.2	108	7	35	31	18		1.65	- .01	.52	11				7	3	
CENTER	70.1	2.1	106	7	34	31	12		1.08	- .63	.52	11				4	2	
URAKE	72.6	5.0	105	8	38	30	13		2.10	.08	1.75	16				3	2	1
DUNSEITB ST SANITARIUM	70.4	5.8	102	7	38	28+	7		1.16	-1.20	.48	13	T			5	2	
ECKMAN	68.6	3.6	102	8	33	30	6		.41	-1.47	.13	21				6		
FESSENDEN	70.6	3.9	101	7	39	30+	7		.72	-1.46	.60	19				3	1	
FOXHOLM WILDLIFE REF	71.2	4.6	110	7	40	28	17		.97	-1.01	.80	20				4	1	
GARRISON	72.3	5.7	108	7	38	31	18		.60	-1.34	.35	18				7	1	
GRANVILLE	70.7	5.0	106	7	35	30	12		.13	-1.74	.13	19				1		
HANSBORO	69.1M	5.6	102	7	36	28+	13		.39	-1.93	.23	18				2		
LEEDS	72.4		105	7	38	28+	18		.42		.16	18				4		
LINTON	73.9	3.8	104	7	38	30+	16		1.29	- .79	.55	14				4	3	
MANDAN EXP STATION	71.7	2.8	104	8	39	31	11		1.43	- .15	.66	15				7	2	
MANDAN FT LINCOLN PARK	73.4		107	7	40	31	17		1.56		.47	14				10	2	
MAX	72.1	4.7	104	8	39	30	14		.56	-1.32	.30	19				3	1	
MC CLUSKY	72.0	4.8	105	8	37	30	14		.26	-1.67	.08	12	T			5		
MINOT CAA	71.3	5.7	107	7	39	30	14		.14	-1.78	.08	11				4		
MINOT EXP FARM	70.8		106	7	39	30	12		.08		.04	14				3		
MOHALL	68.6	3.8	107	7	33	30	10		.42	-1.49	.24	14				6		
NAPOLEON 2 SE	71.4	4.3	99	7+	39	30	12		1.15	-1.05	.68	15				8	2	
NEW SALEM 1 S	72.3	4.4	107	7	40	31	15		1.28	- .45	.82	10				5	1	
PETTIBONE	71.3	2.8	103	7	38	30	11		2.10	- .05	.89	24				5	3	
RIVERDALE	72.5		102	8	38	31	14		.18		.08	1+				3		
ROLLA	68.9	3.3	101	7	38	31	7		.88	-1.61	.58	26	T			6	1	
RUGBY	72.1		104	7	39	30	12		.58	-1.91	.39	18				6	1	
STEELE	70.5	3.2	102	7	38	30	10		2.44	.26	1.30	14				5	2	1
TOWNER	69.8	3.6	104	7	35	30	10		2.20	.22	2.00	12				2	1	1
TURTLE LAKE	71.7M	4.4	105	7	35	31	14		.50	-1.48	.32	19				4	1	
UNDERWOOD 12 W	71.4	3.1	106	6	35	31	18		.56	-1.35	.26	10	T			5	1	
UPHAM WILDLIFE REFUGE	70.6		105	7	33	30	20		.34		.16	19				4		
VELVA	71.2	4.4	106	7	39	30	10		.44	-1.78	.27	14	T			3	1	
WASHBURN	72.7	4.6	105	7	40	31	12		.33	-1.30	.22	10				2		
WESTHOPE	71.3	5.8	106	7	35	30	13		.78	-1.23	.47	20				4	1	
WILLOW CITY	69.9	5.7	103	7	35	28	12		.13	-1.91	.08	18				2		
WILTON RR STATION	70.1	2.4	104	8	37	31	10		1.92	.21	.84	13				6	2	
WISHEK	71.0M	4.0	100	9	36	29+	11		1.34	- .85	.96	15				7	1	
UIVISION	71.0	4.3							0.97	-1.05								

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 SW	73.0		107	7	38	31	17		1.12		.41	12				5	2	
AMIDON	72.1	3.7	108	7	38	31	19		.70	- .85	.31	11	T			5	1	
BEACH	71.3	4.1	108	8	36	31	16		.03	-1.57	.02	30				2		
BELFIELD	70.3	2.3	108	7	38	31	19		1.08	- .73	.38	13				5	2	
BOWBELLS RR STATION	68.9	4.1	106	8	34	31	8		1.39	- .59	1.32	19				2	1	1
BOWMAN COURT HOUSE	71.9	3.8	108	7	41	29+	17		1.08	- .66	.90	18	T			4	1	
CROSBY	69.9	4.9	107	8	37	30	10		1.12	- .70	.82	14	T			8	1	
DICKINSON CAA	71.3	4.8	108	7	40	30+	14		1.48	- .36	1.22	20				5	1	1
DICKINSON EXP STATION	70.9	4.4	109	8	39	28+	15		.42	-1.42	.17	12				6		
DUNN CENTER	71.8M	5.4	110	8	35	31	17		2.17	.51	2.17	11				1	1	1
ELBOWOODS	69.0M	1.1	109	7	34	28	15		T	-1.84	T	10						
EPPING	73.1	5.6	110	6	36	31	18		.12	1.52	.07	20				2		
GRENORA	72.2	6.6	106	7	36	30	16		1.06	- .44	.37	12				4	3	
KENMARE	71.9	5.9	105	8	38	31	16		.69	-1.22	.46	24				5	1	
MARMARTH	71.6M	3.4	110	7	37	30+	18		.84	- .78	.24	15+				6		
MEDORA T R N M P	71.1		110	7	31	31	19	2	.79		.30	10	T			6	1	
MOTT RR STATION	71.6M	3.6	108	7	36	31	18		1.11	- .65	.66	12				6	1	
NEW ENGLAND	72.2	4.4	108	7	33	31	20		.37	-1.21	.18	11				4		
PARSHALL	69.5	3.5	107	7	30	30	15	1										
PORTAL	69.0M	4.2	103	8	33	31	8		.95	-1.01	.28	12				7	2	
RICHARDTON ABBEY	71.5	3.0	106	7	40	30	15		.77	-1.07	.58	11	T			5	1	
SANISH	69.8	2.2	111	8	35	28+	15		.50	-1.10	.36	1				4	1	
STANLEY	67.8		110	7	35	30+	12		.83	-1.07	.42	14				4	2	
VAN HOOK	71.6		110	7	36	30	18		.19		.08	14				4		
WATFORD CITY	72.8	4.5	111	7	40	30	17		.90	- .70	.68	20				4	1	
WILLISTON WB CITY	72.4	6.3	108	7	41	30	14		.20	-1.27	.17	21				3		
DIVISION	71.1	4.2							0.80	-0.86								
STATE	71.2	4.5							0.99	-1.07								

DAILY PRECIPITATION

Table 3

Station	Day of month																											Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S												.68				.18			.08		.12										1.06
ALEXANDER R R STATION											T													.03							0.03
ALMONT 7 SW					T						.38	.41		.01		.23		T	T	.09			T								1.12
ALPHA 1 S										T	.04				.35	.26	T						.03						.04	T	0.72
AMENIA	.05														.56	.01							.41								1.03
AMIDON Z											.31					.10		.22	.02										.05		0.70
ARVILLA STATE PARK															.91														.02		0.93
ASHLEY Z													.01			1.31				-	.01								T		-
BALDHILL DAM	.05													*	.55	1.58	.01			.01			.12							.03	2.35
BEACH											.01								T											.02	T	0.03
BELCOURT INDIAN RES				.11								T		T				.20	.07	T				.03		.62			.04			1.07
BELFIELD										.10	.34		.38					.10	.16													1.08
BEULAH			T							.71									.02	.25				.02								1.00
BISBEE				.24								.21		T				.07								.06						0.58
BISMARCK WB CITY	.12			.01							.37		.37	.01	1.26			T	.01													2.15
BISMARCK WB AIRPORT Z			.01		T					.40	T	.81	.01	1.95		.01	T	.04	.02	T			T	T					T			3.25
BOTTINEAU												.03	.03	.05	.03				.15					T		.35						0.64
BOTTINEAU STATE PARK												.26						.10								.20						0.56
BOWBELLS R R STATION														T					1.32					.07								1.39
BOWMAN COURT HOUSE Z		.02									.04			T		.04		.90	T					T						.08		1.08
CARRINGTON	.05				.06											.35				.12	.60											1.18
CARSON R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.02	.05												-
CARSON 2 S N			T								.52	.17		.51				.30	.04	.07									.04			1.65
CAVALIER POWER PLANT				T								1.41			.03	T		.04		T				T		.13			T		.02	1.63
CENTER										.17	.52			T		.28			.11													1.08
COLGATE	.06														.42								.06									0.54
COOPERSTOWN				T	T										.84									.23								1.07
COURTENAY											T				.70				.53				.07									1.30
CROSBY			.03								.02		.12	.82	.01	.05								.05		.02						1.12
DAWSON R											.12	.23		.78																		1.13
DEVILS LAKE N B CITY Z				.02								T			.13			.16		.05				T	T				.01			0.37
DICKINSON CAA Z			T							.05	.01			T				.15	.05	1.22			T	T					T			1.48
DICKINSON EXP STATION				T							.11	.17			.01				.01	.06	.06			T	T								0.42
DRAKE																1.75					.25						.10					2.10
DUNN CENTER											2.17																					2.17
DUNSEITH ST SANITARIUM	.12			.02									.48	T					.34					T		.20						1.16
ECKMAN	.02			.03							T		.04	T	.10				.09		.13											0.41
EDGELEY EXP FARM Z														.30	.60				.06					T		T			.02			0.98
EDMORE 1 W				.21								.50	T		.19			T	T					T					T			0.90
ELBOWOODS										T																						T
ELLENDALE									.18		.02	T	.02	.10	.07				.18				.03	T		.02			.09			0.71
EPPING																			T	.07				.05								0.12
FAIRFIELD 9 N										1.23															.05							1.28
FARGO WB AIRPORT Z				T								T			.26							T	.28	.61		T			.04		T	1.19
FESSENDEN														.03					.60	.09													0.72
FLASHER											.95	.60	.50		.65				.17	.04				.02									2.93
FORMAN				.09							.19																		.17				0.45
FOXHOLM WILDLIFE REF											.04			.03					.10	.80													0.97
FULLERTON											.01			.83	.20				T							T			T				1.04
HACKLE													T		.46				.50	T				T		T			T			0.96

See reference notes following Station Index

Table 3—Continued

DAILY PRECIPITATION

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	2			.06								.10			.03			.04	.35	.01					.01							0.60
GLEN ULLIN	R										.43	.02								.05											0.50
GOLVA	R	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–				.07			–
GRAND FORKS CAA	Z				.01								.58	T		1.44			.37						T					.09		T	2.49
GRAND FORKS UNIVERSITY					.01								.72	T		2.00			.69						T					.12		T	3.54
GRANO	R//										.10								.20														0.30
GRANVILLE												T	T							.13													0.13
GRENORA											.03		.37	.33	.33																		1.06
HALLIDAY				.05							1.43										.15												1.63
HANKINSON R R STATION																				.15										.45			0.80
HANNAFORD	R															.45								-								–
HANNAH																			.70								.21						0.91
HANSBORO																			.23								.16						0.39
HARVEY WATER WORKS					T										T				.05		.18		–	–	–	–	–	–	–	–	–	–	–
HAYNES 6 NE	R	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–												–
HAZELTON R R STATION	R//										.18	.09	.12		.63				.03														1.05
HILLSBORO					.05	.02							.55	T		.27			T					T		T			.01		T	0.90
HURDSFIELD	R				.05						–	–							.63														–
JAMESTOWN CAA	2				T								.02		.43	.10					T		.01	T	T	.05				T			0.61
JAMESTOWN STATE HOSP															.05	.21					.03				T		.14						0.43
KENMARE												.04			.02	.01				.16				.46									0.69
KENSAL WILDLIFE REFUGE															.44	.06				.51	.32			.05	T					.05			1.43
KRAMER S SE	R			.03															.05														0.08
LA MOURE															.02	.05														.02			0.09
LANGDON EXP FARM					.10								.30			.01			.03								.32			.02			0.78
LARIMORE		.33														.69			1.20														2.22
LEEDS					.02								.12					.12	.16														0.42
LINTON												.30	.26		.55	.18																	1.29
LISBON																											.25				.09		0.34
MANDAN 8XP STATION	Z	.21			.02		T					.35	.01	T		.66		.16		T					.02	T							1.43
MANDAN FT LINCOLN PARK				.01	.04	.03						.31		.20	.47	.20		.11	.18						.01								1.56
MARMARTH								T			.03	.10	.05			.24		T	.18											.24	T		0.84
MAX		.11											.15							.30													0.56
MAYVILLE		.09			T								.09			1.18			.03	.74				T									2.13
MC CLUSKY												.04	.08			.04				.07		.03											0.26
MC GREGOR RR STATION	R										.02	.20	.06		.20										.14								0.62
MC HENRY 5 N					.01										.38	.20			.26						T								0.85
MC LEOD 3 E																															.15		0.15
MC VILLE					.06											.35			.02														0.43
MEDINA 1 W		.25										.11	.07	.03	.03	.18								.04	T								0.68
MEDORA STATE PARK											.68	.11			.10	.04				.37													1.30
MEDORA T R N M P											.30				.15	T			.04	.20					.09					.01			0.79
MINOT CAA	2			T							.01	.08			.03				.02	T			T		T								0.14
MINOT EXP FARM											T	T			.04					.02	.02		T										0.08
MOFFITT RR STATION		.10					T					.34	.38	.11	.02	1.22				.05													2.22
MOHALL					.05			.03			.05			.04	.24											.01							0.42
MONTPELIER		T			T								T		.51							.11								T		0.62
MOTT RR STATION	2											.10	.66		.10				.14	.09	.02				T								1.11
MUNICH 4 SW					.15							1.49				.10	.01		.15						T		.38			T			2.24
NAPOLEON 2 SE					T	.04						.02	.01		.30	.68				.01	T				.03		T			.06			1.15
NEW ENGLAND												.18			T				.16	T	.02				.01					T			0.37
NEW ROCKFORD 6 NW					.25									.19	.62	.12				.04					T	T								1.23
NEW SALEM 1 S		T									.82	.15	.11		.17			.03		T					T								1.20
OAKES	2					.04						-				.09															.06		–
PARK RIVER					.02								1.63	T		.06			.14		T				T					T			1.8
PARSHALL				.03	.02						.03				.05			T			T		–										–
PEMBINA CAA	2				T								1.34	.21		.09									T		.01			T		.03	1.6
PETERSBURG					.04										T	.21			.77														1.0
PETTIBONE													.08	T	.51					.56	.06				.89								2.1
PORTAL		T			.02								.28	.25	.06					.14					.18		.02						0.9
PRETTY ROCK												.61	.23		2.20	.10			.13	.03	1.10	.01	T										4.4
RAUB	R										.04				.19				.40														0.6
REEDER 14 W		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–				.06					.01	.01		–
RICHARDTON ASSEY						T					.08	.58	T						.09	.01	.01				T		T			T			0.7
RIVERDALE	2	.08			T							.08	T													.02							0.1
ROLLA					.06								T		T				.18	.02				.02	T	.58			.02			0.8
RUGBY				.07									.03		.03	.03			.39		.03												0.5
SANISH		.36			.04							.08				.02																	0.5
SELFRIDGE													.19		.13	.10			.02	.93		.02			T		T			T			1.2
SHARON					T											1.32			.15						.01					T			1.4
SHERWOOD													.50	.04						.08					.24		.01						0.8
STANLEY				.02							.14			T	.42										.25								0.8
STEELE													.85	.05	1.30	.22									.02						T		2.4
TAGUS									T	T	.16				.14					T			T										0.3
TIOGA																			.18														0.1
TOWNER				T		.20							2.00																				2.2
TROTTERS											.02	T	T							T					T		T						0.8
TURTLE LAKE			.01							.07			T		.10					.32				T									0.5
TUTTLE 8 SW												.06	.22		1.03																		1.3
UNDERWOOD 12 W			.04	.03	T						.26	.04							.19					T									0.5
UPHAM WILDLIFE REFUGE													.10	.02	.06					.16													0.3
VALLEY CITY					T											.65					T			.20				T				0.8
VAN HOOK				.04	T						.05	.02			.08										T								0.5
VELVA				T	T							.12			.27					T		.05			T								0.5
VERONA																.10																	0.1
WAHPETON POWER PLANT	R												.08		.11															.65			0.8
WAHPETON STATE SCHOOL													.12		.26															.57	.05		1.0
WASHBURN				T							.22		.11																				0.3
WATFORD CITY				.02							.07										.68				.13								0.8
WESTHOPE		T													.19						.47						.07			.05			0.3
WILDROSE									T					.03	.16	-									.16								0.1
WILLISTON WB CITY	R			.01					T		T		T		T									T	.02					T			0.3
WILLOW CITY													T		T				.08	.05		.17		T	T		T						0.3
WILTON RR STATION		.07			T							.06	.79	.84		.09									.07								1.7
WISHEK							T					.01	T	.01		.96			.17	.10					.04						.05		1.3

See reference notes following Station Index

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—2d—																										
BOWMAN COURT HOUSE	//																				.03					.03
GOLVA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—3d—																										
BISMARCK WB AIRPORT																			.01							.01
GARRISON																.03	.02									.05
KRAMER 5 SE				.03																						.03
MANDAN EXP STATION														*	*	*	*	*	*	*	.02					.02
WILLISTON WB CITY														.01												.01
—4th—																										
DEVILS LAKE WB CITY							.01		.01																	.02
HURDSFIELD					.05																					.05
OAKES																		.05								.05
—10th—																										
BISMARCK WB AIRPORT																								.40		.40
DICKINSON CAA																*	*	*	*	.03	.02	.02				.10
GARRISON																					.08	.02				.43
GLEN ULLIN												.38	.05													.10
GRANO	//																			.05		.05				.18
HAZELTON R R STATION	//																								.18	-
HURDSFIELD																			-	-	-	-	-	-	-	.35
MANDAN EXP STATION																						.07	.27		.01	.02
MC GREGOR RR STATION																			.01	.01						-
MOTT RR STATION																			-	-	-	-	-	-	-	.04
RAUB	//																		.01	.03						.12
RIVERDALE																					.11	.01				
—11th—																										
BOWMAN COURT HOUSE	//																.06									.06
DAWSON		.01	.04																					.06	.01	.12
GLEN ULLIN																					.02					.02
HAZELTON R R STATION	//	.07																					*	*	.02	.09
HURDSFIELD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC GREGOR RR STATION																		.20								.20
MINOT CAA	//																					.05				.05
OAKES			.11	.01																						.12
—12th—																										
ASHLEY	//																				.04					.04
BISMARCK WB AIRPORT																				.78	.03					.81
DAWSON																					.15	.07	.01			.23
GRAND FORKS CAA	//				.57	.24	.02																			.83
HAZELTON R R STATION	//	.01	.01																	.09	.01					.12
MC GREGOR RR STATION																									.06	.06
MOTT RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-
PEMBINA CAA	//		1.05	.05	.02			.09	.04																	1.25
WAHPETON POWER PLANT									.05	.03																.08
—13th—																										
BISMARCK WB AIRPORT									.01																	.01
GARRISON																				*	*	*	*	*	*	*
PEMBINA CAA	//																		.16							.16
—14th—																										
BISMARCK WB AIRPORT															.17	.48	.81	.19	.16	.14						1.95
DAWSON																	.24	.14	.02	.05	.07	.16	.07	.03		.78
EDGELEY EXP FARM																	.24	.06				.31	.09	.03		.73
GARRISON		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.03							.03
HAZELTON R R STATION	//																	.13	.12	.15	.22	.01				.63
JAMESTOWN CAA	//															.01	.16	.10	.09	.01		.02	.03		.04	.46
MANDAN EXP STATION															.13	.30	.12	.09	.01							.65
MC GREGOR RR STATION									.18	.02																.20
MINOT CAA	//									.01																.01
MOTT RR STATION					-	-	-	-	-	-	-	-	-				.10									.10
OAKES																								.06	.02	.08
RAUB	//							.05								.12	.02									.19
WAHPETON POWER PLANT													.11													.11
—15th—																										
ASHLEY	//																			.51	.22	.20	.19	.14	.04	1.30
BOWMAN COURT HOUSE	//																	.04		.01						.05
DEVILS LAKE WB CITY								.03	.05	.03		.01	.01													.13
EDGELEY EXP FARM			.02	.15																						.17
FARGO WB AIRPORT	//																.25	.01								.26
GRAND FORKS CAA	//										.15	.24	.40	.50	.08		.01	.01	.01							1.40
HANNAFORD										.14	.31															.45
JAMESTOWN CAA	//	.01	.01		.01	.04																				.07
PEMBINA CAA	//													.03	.02	.02		.01								.08
—16th—																										
BISMARCK WB AIRPORT																									.01	.01
FORT YATES		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANDAN EXP STATION																								.13	.02	.15
—17th—																										
GARRISON																.04										.04
—18th—																										
BISMARCK WB AIRPORT																		.04								.04
BOWMAN COURT HOUSE	//								.17	.02	.01	.05	.42	.14	.02	.01		.01								.85
CARSON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVILS LAKE WB CITY															.11					.02	.03					.16
DICKINSON CAA											.04	.08	.04	.04												.20
GARRISON																							.13	.18	.04	.35
GRAND FORKS CAA	//																	.36	.01							.37
GRANO	//																				.19			.01		.20
HAZELTON R R STATION	//																.01	.02								.03
HURDSFIELD																					.02	.58	.03			.63
KRAMER 5 SE																						.05				.05
MINOT CAA	//																							.01	.02	.03
MOTT RR STATION										.03	.07															.10
RAUB	//																	.34	.01	.05						.40

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
–19th–																										
ASHLEY	//														.07	.07										.14
BISMARCK WB AIRPORT																		.02								.02
CARSON																			.02							.02
DICKINSON CAA																			.03							.03
EDGELEY EXP FARM																		.05	.03							.08
GLEN ULLIN																					.02	.03				.05
MOTT RR STATION															.15		.02									.17
OAKES																		.02								.02
–20th–																										
ASHLEY	//																							.01		.01
CARSON		–	–	–	–	–	–	–	–	–	–	–	–				.01	.03	.01							.05
DEVILS LAKE WB CITY																.05										.05
DICKINSON CAA																1.01	.01									1.02
MOTT RR STATION														–	–											–
–21st–																										
HAYNES 6 NE		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WILLISTON WB CITY																							.05	.02	.10	.17
–23d–																										
AMIDON		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
BOWMAN COURT BOUSE	//																							.01		.01
FARGO WB AIRPORT	//	.02	.12	.02	.12																					.28
HANNAFORD		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–24th–																										
ASHLEY	//																	.01	.01							.02
FARGO WB AIRPORT	//																				.55	.06				.61
MC GREGOR RR STATION			.10	.03		.01																				.14
WILLISTON WB CITY		.01	.01																							.02
–25th–																										
GOLVA	//	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
JAMESTOWN CAA	//																				.01	.03		.01	.01	.06
–29th–																										
AMIDON		–	–	–	–	–	–	–	–	–	–	–														–
BOWMAN COURT BOUSE	//					.09					.02															.11
DEVILS LAKE WB CITY											.01															.01
FARGO WB AIRPORT	//																				.01		.03			.04
FORT YATES																	.05									.05
GOLVA	//						.05		.02																	.07
GRAND FORKS CAA	//															.08										.08
OAKES															.02	.01		.01	.01							.05
WAHPETON POWER PLANT															.49	.04	.02	.02				.03	.05			.65
–31st–																										
PEMBINA CAA	//	*	*	*	*	*	*	*	*	*	*	*	.06													.06

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	80	82	91	95	84	101	107	90	90	91	96	94	90	90	87	93	90	76	85	83	93	95	99	88	92	80	82	83	81	74	72	88.2
	MIN	54	48	50	63	63	64	70	67	51	66	61	61	65	65	54	61	62	61	56	58	56	68	64	65	54	57	48	45	48	46	38	57.8
AMENIA	MAX	78	76	81	93	85	97	100	101	97	89	95	91	94	90	78	90	88	86	83	81	87	93	90	95	91	86	81	78	75	70	63	86.5
	MIN	56	54	51	57	60	59	61	67	68	57	65	64	71	67	65	61	61	59	58	51	51	63	61	68	50	58	54	46	47	43	45	58.0
AMIDON	MAX	79	84	93	94	92	98	108	95	85	91	90	95	93	95	94	94	93	85	75	85	93	93	95	91	92	89	79	84	75	74	70	88.8
	MIN	54	51	55	64	64	57	73	69	49	57	58	61	55	68	53	54	60	53	54	55	52	51	61	61	52	53	47	45	54	40	38	55.4
ARVILLA STATE PARK	MAX	76	78	82	91	91	97	100	102	94	90	98	94	95	94	79	82	90	89	83	82	89	96	96	90	91	87	80	80	74	71	64	87.3
	MIN	56	53	46	59	60	56	65	70	65	49	55	64	69	62	60	62	55	56	53	54	54	59	69	68	53	59	54	48	46	43	42	56.9
ASHLEY	MAX	87	78	76	84	97	98	99	100	84	88	100	88	87	94	95	72	89	79	82	80	84	85	91	102	90	90	78	79	81	72	65	86.3
	MIN	50	47	48	58	57	59	67	68	55	46	61	66	62	59	60	60	61	61	59	58	66	62	62	62	53	57	46	40	50	39	37	56.0
BALDHILL DAM	MAX	86	76	76	81	94	90		100	101	86	89	98	91		94	76	90	86	85	84	79	87	90	88	89	91	83		80	76	70	86.3
	MIN	50	46	46	59	54	58		63	59	48	63	64	66		58	60	56	57	57	53	54	62	61	66	47	57	47		35	37	40	54.4
BEACB	MAX	94	80	83	96	93	94	102	108	88	86	83	94	97	90	88	90	93	90	72	80	85	93	93	94	82	91	77	79	81	74	74	87.9
	MIN	53	49	58	55	61	60	70	70	48	50	57	64	61	61	55	58	60	57	53	52	53	56	60	62	49	54	39	41	55	40	36	54.7
BELCOURT INDIAN RES	MAX	72	70	82	84	82	96	101	92	84	87	93	94	89	80	81	81	92	87	83	81	87	86	84	80	88	81	68	76	69	64	60	82.4
	MIN	52	45	45	57	57	57	63	64	50	44	58	60	60	55	54	58	59	50	54	53	48	53	58	62	43	40	42	32	45	33	38	51.3
BELFIELD	MAX	80	86	94	97	94	102	108	95	92	91	92	96	91	92	91	93	92	93	80	84	83	95	98	88	92	78	79	81	79	77	72	89.2
	MIN	53	44	53	53	60	53	61	61	43	55	55	57	56	53	51	57	57	54	53	50	48	50	60	54	44	45	43	42	46	41	38	51.3
BISBEE	MAX	75	76	87	82	89	102	102	98	85	88	95	94	92	83	81	87	92	88	84	83	89	89	87	82	89	78	71	77	70	66	61	84.6
	MIN	48	49	47	47	52	47	62	60	54	52	59	60	65	58	60	63	58	56	53	57	52	59	59	64	49	54	45	38	45	38	39	53.2
BISMARCK WB CITY	MAX	88	80	79	87	94	86	98	103	94	89	89	92	94	94	86	84	87	88	79	80	80	89	91	95	84	89	80	77	82	78	72	86.7
	MIN	57	52	56	65	62	64	63	73	57	52	66	63	63	62	61	64	64	64	61	61	61	66	66	61	51	50	50	45	53	45	43	58.7
BISMARCK WB AIRPORT	MAX	80	79	90	95	87	101	105	95	87	89	93	95	93	89	86	88	90	80	83	83	89	92	96	86	91	80	81	82	81	74	71	87.5
	MIN	55	51	55	64	62	61	74	63	52	51	65	62	64	60	59	63	64	62	60	61	59	64	66	56	50	55	48	42	49	41	40	57.4
BOTTINEAU	MAX				88	99	104	104	87	86	93	95	95	88	87	87	93	90	83	83	85	89	88	85	90	84	72	79	79	67	64	86.8
	MIN	50	49	48	52	59	61	66	65	46	51	58	58	61	65	52	55	58	57	53	53	52	52	61	56	45	52	41	35	51	36	37	52.7
BOTTINEAU STATE PARK	MAX	79	80	81	89	90	95	99	91	88	89	86	94	89	80	88	89	91	89	86	88	87	89	87	85	86	82	75	81	80	69	62	85.6
	MIN	41	40	45	50	51	50	70	69	61	50	57	71	60	51	50	51	60	51	55	56	54	55	61	49	60	60	41	40	51	44	33	52.8
BOWBELLS RR STATION	MAX	75	75	78	87	87	93	98	106	81	87	86	93	98	88	82	89	89	94	89	80	82	90	84	81	81	90	76	73	81	69	68	84.8
	MIN	48	47	52	55	56	60	69	67	48	51	50	53	60	60	55	60	57	57	58	53	55	55	56	58	48	47	45	42	50	35	34	52.9
BOWMAN COURT BOUSE	MAX	78	80	92	93	95	101	108	103	81	91	87	96	94	92	82	93	92	85	68	80	92	95	106	98	90	89	78	78	75	75	72	88.4
	MIN	53	51	52	57	66	59	66	61	52	59	59	58	56	60	53	54	60	56	58	53	54	56	62	60	56	54	51	52	41	41	46	55.4
CARRINGTON	MAX	74				80		97	101	99	87	88	97	93	96	86	84	90	89	86	85	86	87	90	88	83	83	83	78	80	78	69	86.6
	MIN	50	44	45	51	52	53	59	69	51	47	60	60	61	54	59	54	54	52	53	52	50	51	50	66	50	45	45	36	32	36	35	50.8
CARSON 2 SW	MAX	80	82	93	98	91	104	108	92	90	91	97	95	93	95	87	92	96	75	80	83	80	96	101	91	94	81	82	80	75	77	72	88.7
	MIN	51	47	54	58	61	69	68	68	49	60	62	62	64	61	55	61	62	61	59	57	55	56	64	63	56	56	46	50	47	48	35	56.9
CAVALIER POWER PLANT	MAX	74	78	82	86	90	96	101	103	100	90	95	93	93	92	87	84	90	89	84	83	88	91	87	85	91	82	79	79	73	68	64	86.4
	MIN	48	46	48	58	56	58	59	64	63	51	58	58	59	60	63	58	57	57	56	55	56	61	55	55	52	57	53	52	44	43	39	54.9
CENTER	MAX	73	81	89	92	89	100	106	99	88	89	94	93	92	84	88	90	89	79	84	83	90	95	96	89	92	82	80	82	78	71	69	87.3
	MIN	56	44	55	54	60	51	61	65	49	47	58	54	61	50	52	60	60	55	59	58	57	50	46	64	54	52	47	36	48	40	34	52.8

See reference notes following Station Index.

Table 5–Continued

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
COOPERSTOWN	MAX	75	82	84	92	85	97	99	93	80	79	87	85	86	81	72	78	77	77	76	72	80	81	78	86	91	81	77	78	75	68	65	81.2
	MIN																							62				50				41	
CROSBY	MAX	78	78	82	88	89	96	102	107	83	88	81	97	100	85	83	90	91	94	89	85	87	91	88	86	81	92	75	76	83	69	68	86.5
	MIN	51	50	54	58	60	62	63	66	47	49	50	56	58	57	54	58	60	60	55	53	54	56	57	60	46	45	45	42	49	37	39	53.3
DEVILS LAKE WB CITY	MAX	75	77	84	90	91	100	103	101	86	90	95	94	95	86	84	87	91	88	82	79	88	93	87	82	92	82	75	79	72	67	62	85.7
	MIN	53	49	51	59	58	62	70	70	57	54	63	64	69	60	63	63	60	58	56	60	55	63	62	61	55	88	50	42	49	40	44	57.4
DICKINSON CAA	MAX	79	83	93	94	94	101	108	87	87	90	93	94	90	88	88	93	91	72	82	82	87	92	100	80	90	76	79	81	77	73	70	86 9
	MIN	53	51	56	59	64	60	69	62	49	63	60	61	60	61	53	60	62	58	56	57	54	55	63	57	49	52	48	43	49	40	40	55.6
DICKINSON EXP STATION	MAX	93	79	81	92	95	95	103	109	87	87	88	93	95	90	88	87	94	92	72	82	81	90	95	98	82	92	88	79	81	79	73	88.4
	MIN	50	46	56	53	65	56	67	59	45	56	58	57	56	60	51	56	60	57	55	56	49	53	61	62	43	54	42	39	49	39	43	53.3
DRAKE	MAX	85	76	82	87	88	90	101	105	94	86	89	96	97	94	83	88	84	99	91	86	87	90	92	96	82	93	82	78	80	72	68	87.8
	MIN	51	51	52	62	58	61	68	69	51	59	65	64	65	60	58	60	63	60	59	59	60	61	63	68	51	57	47	46	54	38	40	57.4
DUNN CENTER	MAX	94	89	87	91	98	98	105	110	97	92	98	90	93	91	85	88	92	90	80			88	96	101	84	94	78		84	81	74	91.0
	MIN	54	57	51	50	61	52	60	61	46	53	43	52	55	62	53	56	58	56	54			64	66	60	41	54	44		38	37	35	52.6
DUNSEITH ST SANITARIUM	MAX	78	84	84	86	88	98	102	100	92	87	93	93	86	85	82	84	91	88	84	81	87	87	85	81	88	86	76	78	75	71	62	85.2
	MIN	52	48	52	52	60	64	70	68	56	52	64	63	63	64	58	58	65	56	57	55	55	58	57	64	45	55	47	38	50	40	38	55.6
ECKMAN	MAX	78	75	75	85	86	87	97	102	86	87	87	91	95	85	76	85	86	90	87	82	85	88	89	87	81	90	76	74	79	70	68	84.2
	MIN	49	44	49	56	56	60	65	65	45	50	59	58	63	58	55	57	58	54	57	53	54	57	62	63	46	48	42	37	50	33	39	53.0
EDGELEY EXP FARM	MAX	79	76	79	76	82	98	100	101	88	89	95	89	92	92	85	90	85	78	80	81	88	94	103	93	93	86	81	80	84	77	74	86.7
	MIN	54	47	54	47	59	58	64	63	60	51	64	61	62	64	60	62	60	52	57	52	57	59	65	65	53	63	58	43	53	43	40	56.5
EDMORE 1 W	MAX	76	77	82	87	88	97	101	100	86	88	93	91	93	85	77	85	89	88	83	81	87	93	85	83	90	82	76	78	75	67	62	84.7
	MIN	50	47	45	59	54	56	64	66	53	47	58	61	63	59	59	59	54	54	54	53	64	69	68	65	48	58	48	38	58	34	38	54.9
ELBOWOODS	MAX	77	79	82	92	91	102	109	94	89	88	93	97	92	88	91	90	94	83	85	87	92	94	94	82	94	80	79	84	76	72	71	87.8
	MIN	40	42	49	49	57	52	74	64	43	54	51	54	57	54		52	53	52	62	56	52	50	62	49	39	38	44	34	43	35	42	50.1
ELLENDALE	MAX	80	79	85	100	81	100	102	102	91	91	98	92	95	95	90	90	94	82	82	83	90	100	103	96	95	87	83	80	85	74	67	89.4
	MIN	58	50	51	57	62	58	61	69	62	55	69	67	63	65	62	62	62	61	60	55	58	62	67	67	55	59	52	46	50	44	44	58.5
EPPING	MAX	84	91	92	98	103	110	100	91	86	98	99	94	89	88	93	95	95	89	84	87	92	93	90	90	93	88	79	84	80	72	71	90.3
	MIN	53	59	55	62	61	67	72	48	60	55	57	60	62	62	55	59	60	61	58	53	56	62	63	58	47	50	44	44	54	37	36	55.8
FARGO WB AIRPORT	MAX	77	74	81	93	86	98	101	99	88	88	91	92	94	90	81	89	87	85	83	83	87	92	91	95	90	84	79	77	74	69	61	85.8
	MIN	55	54	52	62	59	60	68	72	65	58	67	63	73	70	64	66	60	59	59	54	57	65	68	60	56	61	54	45	50	44	44	59.5
FESSENDEN	MAX	75	76	83	87	88	97	101	97	84	86	94	93	92	84	85	87	89	84	82	79	86	90	87	78	88	87	77	76	75	70	67	84.6
	MIN	51	49	49	61	55	60	74	74	54	50	70	67	65	60	56	59	56	53	57	60	55	61	68	63	60	58	40	48	44	39	39	56.6
FORMAN	MAX	79	84	84	94	87	100	99	99	93	89	95	91	95	85	92	89	83	84	84	84	90	98	102	97	94	86	81	78	81	77	67	88.8
	MIN	54	51	51	63	61	61	62	72	65	57	69	69	65	69	63	64	57	61	57	50	56	63	70	72	54	61	52	43	41	48	42	58.8
FOXHOLM WILDLIFE REF	MAX	75	80	85	90	95	103	110	100	92	91	96	100	98	88	91	90	95	89	85	85	90	92	91	89	91	88	75	80	76	68	67	88.5
	MIN	53	44	48	52	55	57	66	72	53	47	54	58	64	60	52	61	53	54	55	50	52	61	58	65	48	54	49	40	50	41	42	53.8
FULLERTON	MAX	81	80	88	102	85	102	103	107	89	98	92	96	94	97	87	89	89	84	86	86	93	103	105	95	96	89	82	80	87	75	66	90.5
	MIN	52	48	58	56	60	58	58	67	65	53	67	63	68	63	62	60	60	59	58	52	56	59	69	68	51	56	48	42	50	40	41	57.0
GACKLE	MAX	74		82		93		99	96	85	93	88	93	92	82	88	87	84	78	85			89	99	89	90	89	78		76	72	66	85.9
	MIN	63		50		60		62	56	53	64	63	63	59	60	62	61	58	58	62			56	62	64	54	61	51		43	41	41	57.1
GARRISON	MAX	79	81	88	92	92	100	108	105	89	88	94	95	96	90	90	92	92	86	84	84	91	94	93	93	92	90	80	83	78	71	70	89.0
	MIN	52	47	51	57	60	58	70	65	50	55	60	60	62	62	54	57	60	60	59	57	54	62	64	64	48	57	46	40	54	39	38	55.5
GRAND FORKS CAA	MAX	75	75	81	88	86	95	100	101	86	89	93	90	92	89	71	80	85	88	85	81	86	94	88	91	90	84	76	78	70	66	60	84.3
	MIN	54	52	51	60	59	60	66	70	63	55	65	63	70	65	64	62	58	60	56	54	56	61	65	61	53	64	48	42	50	41	41	57.7
GRAND FORKS UNIVERSITY	MAX	76	75	80	87	87	94	100	101	87	87	93	89	91	88	72	80	85	87	81	80	84	92	87	91	89	82	76	76	71	66	59	83.6
	MIN	54	52	52	60	59	62	66	70	61	56	65	63	71	68	64	62	60	61	58	56	56	62	65	59	53	58	50	43	47	42	42	58.0
GRANVILLE	MAX	76	75	85	88	90	100	106	98	86	89	94	98	93	86	88	87	93	87	83	85	90	92	91	85	92	89	76	82	74	69	67	86.9
	MIN	49	46	56	57	55	59	70	69	50	52	60	59	60	60	55	59	59	54	57	55	54	59	60	65	47	51	45	39	50	35	40	54.4
GRENORA	MAX	84	84	91	92	99	103	106	100	90	85	97	99	85	80	91	93	103	89	87	86	90	90	92	87	90	84	82	76	77	76	76	89.2
	MIN	49	48	59	54	65	65	70	69	67	63	53	57	58	58	56	59	57	61	55	54	55	52	62	58	48	47	47	46	43	36	38	55.1
HANKINSON RR STATION	MAX	95	79	75	84	96	91	97	99	99	90	89	94	91	92	91	86	93	89	84	82	81	93	93	104	99	90	90	80	77	87	71	89.1
	MIN	52	53	48	54	62	63	65	70	66	60	63	67	64	68	66	62	60	59	60	47	47	62	62	71	61	55	55	45	50	44	45	58.3
HANNAH	MAX	73	76	81	86	87	96	100	98	91	88	92	93	93	86	80	88	91	90	82	81	86	86	82	80	86	76	68	75	69	68	65	83.6
	MIN	51	52	59	59	57	62	62	66		58	58	60	66	72	60	55	62	56	54	58	56	58	58	56	48	54	45	38	51	39	38	55.6
HANSBORO	MAX	73	78	82	87	88	98	102	97	90	91	98		95	86	82	90	94	90	81	85	91	90	87	83	89	82	75	82	71	72	63	85.7
	MIN	51	45	49	57	54	66	58	59	52	47	57		59	53	57	61	55	56	52	55	52	58	56	59	50	51	45	36	51	36	36	52.4
HILLSBORO	MAX	76	76	80	86	86	95	99	100	87	84	92	89	91	88	75	84	86	87	82	80	86	92	88	94	90	85	78	77	73	68	62	84.4
	MIN	54	51	48	56	59	62	68	68	68	57	68	52	68	64	63	61	60	60	58	50	52	58	61	68	53	59	54	44	43	43	44	57.2
JAMESTOWN CAA	MAX	77	76	84	93	88	98	102	102	88	88	95	93	96	92	80	89	87	83	81	75	88	90	92	88	93	85	81	79	80	70	65	86.4
	MIN	53	50	48	58	57	57	62	67	59	49	64	62	67	57	62	59	59	57	58	50	53	59	63	60	46	56	48	40	48	40	40	55.1
JAMESTOWN STATE HOSPITAL	MAX	75	77	85	95	87	98	102	103	87	89	95	91	97	93	80	89	88	83	82	75	89	91	97	89	94	83	79	79	78	70	64	86.6
	MIN	55	52	50	58	59	59	66	71	59	54	68	66	68	60	62	61	59	58	60	52	54	62	65	70	48	57	51	43	48	41	44	57.4
KENMARE	MAX	80	81	80	85	93	94	99	105	93	96	86	94	97	93	84	90	90	95	88	79	84	95	90	90	82	95	81	80	86	75	73	88.2
	MIN	51	49	56	57	60	63	72	70	51	56	51	52	61	61	57	61	59	59	57	50	58	58	59	63	53	52	49	47	54	39	38	55.6
KENSAL WILDLIFE REFUGE	MAX	76	75	78	92	81	95	99	100	86	86	94	86	95	76	79	89	89	83	79	75	86	88	84	82	87	85	78	69	70	70	66	83.2
	MIN	52	45	48	57	52	56	59	60	51	46	62	61	57	54	60	56	56	52	56	54	54	60	61	65	45	56	48	37	50	36	39	53.1
LA MOURE	MAX	76	75	82	98	90	99	103	100	98	90	96	93	93	95	88	93	92	86	82	84	90	95	103	100	94	90	81	84	85	74	69	89.6
	MIN	52	50	51	58	57	59	62	69	62	52	68	67	65	67	61	62	58	58	52	52	56	61	69	69	50	60	49	42	51	42	43	57.2
LANGDON EXP FARM	MAX	74	75	78	87	85	97	102	100	92	88	93	92	92	85	78	88	90	88	84	82	89	90	83	85	89	82	75	78	73	65	62	84.5
	MIN	50	45	50	59	55	62	68	69	55	49	59	61	67	58	60	54	56	54	55	56	55	57	58	63	46	55	44	37	47	35	38	54.1
LARIMORE	MAX	73	75	80	90	92	95	99	101	87	89	94	92	94	90	78	80	86	85	79	79	84	91	88	88	90	85	78	78	71	68	62	84.5
	MIN	55	53	52	59	59	60	66	68	64	55	62	63	69	63	61	61	60	60	57	54	53	61	61	67	54	60	54	45	55	43	44	58.0
LEEDS	MAX	77	83	88	91	95	102	105	101	90	93	99	98	95	91	90	86	96	93	83	85	92	94	91	86	94	82	77	82	75	69	65	88.6
	MIN	52	47	52	60	58	58	72	72	58	49	62	63	66	66	58	63	59	54	54	59	57	59	62	61	49	54	47	38	53	38	40	56.1
LINTON	MAX	78	81	90	99	85	101	104	102	88	91	98	98	98	98	88	92	92	80	82	85	94	100	103	92	87	82	82	84	80	75	69	89.6
	MIN	51	48	54	62	64	64	70	72	55	51	64	69	66	61	59	64	63	65	62	58	61	66	69	67	51	55	45	43	50	38	38	58.2
LISBON	MAX	86	79	78	83	95	90	100	101	101	90	92	96	91	95	93	85	93	91	87	84	85	91	94	103	97	93	86	82	79	85	72	89.6
	MIN	54	52	44	52	56	56	61	69	66	51	55	66	66	66	63	59	51	57	59	46	48	61	63	71	50	53	49	42	47	42	44	55.5
MANDAN EXP STATION	MAX	89	78	77	88	92	84	98	104	94	86	90	92	93	92	88	84	87	88	80	82	81	87	91	95	83	90	79	79	81	79	71	86.5
	MIN	55	49	52	61	63	60	70	71	55	52	60	60	63	59	58	62	64	60	59	60	57	60	66	68	48	55	47	42	50	40	39	56.9
MANDAN FT LINCOLN PARK	MAX	80	80	90	95	90	100	107	104	90	90	94	95	96	92	86	89	89	81	85	85	90	92	96	94	93	88	83	84	82	75	72	89.3
	MIN	62	50	52	60	63	58	71	70	55	52	62	62	64	61	57	63	64	60	53	59	56	62	65	62	50	57	48	44	53	43	40	57.4
MARMARTH	MAX	85	86	95	95	96	103	110	101	84	93	96	97	94	94	94		93	87	77	84	97	96	99	89	92	84	81	83	78	75	72	90.3
	MIN	55	45	51	52	70	53	65	65	43	53	55	55	54	60	55		53	57	60	53	50	50	65	58	48	56	43	43	43	37	37	52.8
MAX	MAX	87	78	77	89	89	89	101	104	91	88	87	94	97	92	89	91	92	93	90	82	92	91	92	90	81	80	79	79	80	74	69	87.3
	MIN	62	50	53	60	57	60	67	66	54	57	62	64	63	64	55	58	62	59	59	59	55	58	63	65	50	56	52	45	49	39	40	56.9
MAYVILLE	MAX	76	76	81	93	92	96	98	97	100	96	93	91	93	90	90	91	85	86	84	81	87	90	89	90	90	85	80	78	76	72	70	87.0
	MIN	56	52	51	58	59	62	64	68	70	58	68	65	68	64	64	60	63	60	57	54	63	65	65	67	53	61	43	54	58	43	46	59.3
MC CLUSKY	MAX	89	73	80	87	90	91	100	105	95	87	88	97	95	93	86	89	93	92	83	82	83	92	92	93	82	91	80	78	81	76	67	87.4
	MIN	52	47	51	57	59	61	70	67	55	56	63	62	65	59	57	61	64	58	58	57	57	60	63	70	50	55	48	42	50	37	40	56.5
MC HENRY 5 N	MAX	73	73	81	88	84	95	100	98	84	86	92	91	93	84	78	85	86	84	80	80	86	90	85	84	91	82	76	77	74	68	62	83.5
	MIN	53	51	52	58	57	61	64	66	59	53	63	64	67	60	60	57	57	56	56	55	52	62	62	66	50	57	51	41	48	39	41	56.1
MC LEOD 3 E	MAX	80	77	83	93	92	98	100	99	98	89	95	90	94	90	85	94	89	85	82	84	92	92	102	101	93	88	85	80	85	86	77	89.6
	MIN	53	52	49	60	58	63	65	65	64	55	63	64	70	69	65	64	58	59	60	52	54	62	73	72	51	64	51	42	47	48	43	58.5
MEDORA STATE PARK	MAX		86	97	95	98	103	112	98	90	88	94	98	92	90	92	96			83	88	96	95	99	89	86	84	86	83	82	76	72	91.0
	MIN																																
MEDORA T R N M P	MAX	81	86	96	96	97	102	110	106	88	88	94	98	94	92	91	94	94	87	72	85	93	95	99	92	92	90	81	84	77	75	72	90.4
	MIN	49	43	58	48	52	51	63	60	42	61	55	54	72	67	50	56	55	56	53	51	49	51	66	63	45	55	40	37	42	32	31	51.8
MINOT CAA	MAX	78	78	86	90	91	100	107	90	88	88	93	97	90	86	90	87	92	86	82	84	91	90	90	82	91	78	75	81	74	69	70	86.3
	MIN	55	47	55	56	59	60	75	66	53	56	57	60	63	63	56	62	59	57	56	57	57	62	61	59	54	54	47	46	48	39	42	56.2
MINOT EXP FARM	MAX	77	77	86	90	90	100	106	99	87	88	93	96	89	86	88	86	92	86	82	84	91	91	91	82	90	78	76	80	78	68	68	86.3
	MIN	50	47	54	55	57	60	74	74	52	54	56	60	63	58	54	61	56	57	53	53	57	58	60	65	50	52	46	44	54	39	41	55.3
NORAL	MAX	77	77	85	88	91	100	107	85	89	89	95	97	88	76	87	86	92	87	82	85	91	90	90	83	91	78	76	82	72	70	69	85.6
	MIN	49	44	49	54	55	57	64	56	48	49	54	58	60	55	55	60	56	55	56	54	53	55	57	55	49	51	43	37	40	33	37	51.5
MOTT RR STATION	MAX	86	94	93	97	95	103	108	103	86	91	95	91	92	87	92	92	90	80	76	77	87	92	100	90	93	84	85	86	85	82	81	90.1
	MIN	51	46	47	52	57		70	71	49	53	61	58	61	53	60	58	61	58	57	57	48	52	53	54	42	54	47	45	44	37	36	53.1

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5–Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICB 4 SW	MAX	75	76	83	87	88	97	101	98	87	89	92	91	90	85	76	84	89	85	83	79	86	89	83	81	87	79	77	78	71	64	61	83.6
	MIN	51	45	47	59	56	59	64	64	57	51	59	60	67	57	61	58	59	57	52	55	58	56	59	57	46	54	46	38	51	37	40	54.2
NAPOLEON 2 SE	MAX	76	73	83	90	87	96	99	96	88	85	92	91	92	92	83	84	85	81	79	80	86	93	99	92	90	80	78	77	75	70	65	85.1
	MIN	50	55	49	69	58	59	70	73	54	52	64	63	65	64	60	64	62	58	58	56	58	59	66	67	52	56	49	43	53	39	40	57.6
NEW ENGLAND	MAX	81	84	93	96	96	103	108	100	86	93	96	97	93	93	93	97	95	89	89	84	94	96	103	100	94	92	82	84	80	76	77	91.7
	MIN	52	46	52	56	66	53	65	59	48	53	49	57	56	56	51	56	59	54	56	54	49	51	64	64	49	55	44	41	49	37	33	52.7
NEW SALEM 1 S	MAX	79	85	92	95	96	102	107	92	90	92	91	92	90	87	85	92	89	77	84	84	85	95	99	92	87	83	85	83	79	75	70	88.2
	MIN	53	51	57	62	60	58	63	68	53	59	57	58	69	58	52	60	60	53	51	55	55	51	57	65	62	59	54	46	56	42	40	56.3
OAKES	MAX	90	80	81	85	93	84	100	101	102	91	91	97	93	95	95	90	93	91	83	85	86	90	99	102	96	96	87	83	81	87	76	90.4
	MIN	54	51	50	56	59	63	67	67	65	57	68	68	65	69	63	63	60	62	60	52	56	62	67	70	52	58	50	45	48	41	42	58.4
PARK RIVER	MAX	75	76	82	88	88	97	102	103	99	91	94	92	93	92	75	82	86	88	80	83	85	92	87	86	91	87	80	79	72	68	65	85.7
	MIN	57	53	54	58	60	62	71	73	65	54	55	62	68	65	62	59	59	61	59	54	57	60	60	65	53	58	56	44	44	45	43	57.9
PARSHALL	MAX	78	79	85	90	93	100	107	101	90	88	93	97	92	86	91	89	94	85	83	84	91	91	93	89	90	88	79	82	75	71	70	87.9
	MIN	47	43	51	50	55	54	65	67	42	52	50	52	58	60	51	54	56	54	55	49	53	56	61	61	41	53	41	35	50	30	36	51.0
PEMBINA CAA	MAX	74	77	80	80	88	92	100	100	87	90	92	88	89	85	74	82	87	88	81	81	85	89	79	88	89	82	72	77	70	65	58	82.9
	MIN	55	52	49	61	58	58	67	70	57	49	60	63	67	66	65	59	57	58	58	57	57	60	60	64	49	57	49	44	47	44	36	56.5
PETERSBURG	MAX	70	74	80	79	87	95	98	99	85	88	94	92	92	83	75	85	88	87	82	81	77	91	87	86	90	83	76	77	71	67	61	83.2
	MIN	53	48	53	59	56	62	68	70	58	53	61	60	68	60	62	61	57	58	57	54	55	61	60	64	51	58	49	58	51	38	41	56.9
PETTIBONE	MAX	85	78	87	92	87	97	103	100	85	88	98	92	94	85	85	90	90	83	86	81	88	90	89	84	90	81	78	78	76	71	66	86.4
	MIN	58	45	49	58	58	61	67	70	59	55	61	63	65	55	57	61	63	57	61	55	54	61	63	65	49	51	49	40	49	38	41	56.3
PORTAL	MAX	71	77	79	88	88	93	100	103	82	88	85	94	96	84	82		90	93	88	82	86	92	89	86	81	89	76	73	82	68	68	85.1
	MIN	46	49	50	59	53	65	60	65	50	56	52	52	59	58	56		58	58	57	56	55	59	59	59	48	46	42	40	51	34	33	52.8
RICHARDTON ABBEY	MAX	79	83	90	93	91	100	106	95	88	89	95	92	91	85	86	95	90	79	80	81	94	94	96	86	92	77	80	82	77	72	70	87.4
	MIN	51	49	49	58	62	61	69	71	52	61	58	58	58	59	53	58	60	60	54	56	52	58	61	61	51	55	47	47	50	40	42	55.5
RIVERDALE	MAX	90	79	80	86	92	92	100	102	91	88	89	93	96	94	85	89	88	91	89	85	84	91	93	94	88	91	79	78	81	76	71	87.4
	MIN	54	48	58	57	61	58	73	69	55	54	60	63	61	58	54	62	61	59	58	59	67	60	62	67	49	55	50	45	54	41	38	57.
ROLLA	MAX	72	75	82	85	88	97	101	94	84	85	93	92	90	79	81	87	92	86	81	82	88	86	84	80	88	76	70	77	70	65	61	83.0
	MIN	55	50	50	58	57	60	64	64	56	50	58	58	63	56	56	61	59	60	55	55	53	62	57	62	50	53	48	43	48	40	38	54.6
RUGBY	MAX	76	77	86	89	91	102	104	102	97	88	95	96	93	88	87	88	93	87	84	82	90	92	88	86	91	88	74	80	77	69	66	87.1
	MIN	52	48	52	60	60	62	66	65	54	57	64	63	67	60	62	60	63	59	57	59	58	61	62	68	51	54	46	40	54	39	40	56.1
SANISB	MAX	88	89	79	85	92	94	102	111	86	92	88	92	99	91	88	91	95	92	88	84	87	93	93	95	82	93	78	78	82	73	71	88.
	MIN	50	45	51	52	54	58	58	68	54	54	51	52	54	60	52	52	57	60	58	49	49	54	60	56	42	42	42	35	35	36	35	50.
SHARON	MAX	75	75	79	88	89	93	92	98	87	89	93	88	91	89	74	85	84	84	80	76	84	89	85	87	88	84	78	79	75	70	68	83.
	MIN	53	50	52	58	59	63	68	69	60	59	64	63	68	59	60	59	60	61	58	55	55	64	62	66	51	60	50	42	50	39	41	57.
STANLEY	MAX	78	80	83	92	94	100	110	92	91	84	94	97	90	83	89	86	92	85	78	84	92	89	89	80	91	76	75	82	71	68	68	85.
	MIN	50	43	49	51	56	56	60	61	45	50	49	54	57	54	50	56	53	51	52	45	47	56	57	51	43	48	43	39	43	35	35	49.
STEELE	MAX	78	75	86	94	85	99	102	98	85	85	92	90	92	90	89	87	86	79	82	80	86	88	96	82	93	81	79	79	77	70	67	85.
	MIN	50	49	48	60	57	57	66	68	54	51	60	62	64	56	62	61	64	57	59	57	57	60	63	62	51	51	48	40	49	38	40	55.
TOWNER	MAX	78	78	85	88	91	100	104	93	89	89	95	95	88	86	87	87	92	88	85	87	89	93	90	82	92	78	75	77	73	69	65	86.
	MIN	55	46	51	57	57	61	67	68	49	48	59	57	63	58	55	58	61	54	53	59	56	60	61	54	47	46	42	37	42	35	38	53.
TURTLE LAKE	MAX	82	79	86	90	90	99	105	93	89	88	96	95	94	83	87	92	91	85	83	91	92	93	83	92	89	79	80	81	78	70	69	87.
	MIN		47		59	60	58	72	69	52	50	62	59	62	59	55	62	60	58	59	55	62	63	64	59	49	55	48	41	53	39	35	56.
UNDERWOOD 12 W	MAX	81	89	92	93	102	106	90	89	94	94	98	94	91	91	90	95	87	86	86	95	95	98	89	94	90	87	89	84	74	75	72	90.
	MIN	52	46	48	60	55	64	64	54	46	56	60	62	55	52	61	57	53	58	59	51	58	64	53	52	50	47	48	42	36	38	35	52.
UPHAM WILDLIFE REFUGE	MAX	76	80	88	90	95	102	105	100	90	94	97	99	96	90	91	95	98	94	88	87	92	95	90	86	94	90	75	85	79	74	68	89.
	MIN	45	45	44	48	51	60	61	64	45	51	60	47	64	58	53	58	59	56	54	47	54	59	61	62	45	48	40	36	48	33	37	51.
VALLEY CITY	MAX	76	76	82	95	92	96	98	100	98	88	97	92	94	93	79	90	88	86	82	80	89	90	90	89	92	88	79	78	75	71	67	86.
	MIN	55	52	49	59	58	59	61	72	63	53	67				62	62	60	59	60	56	52	62	64	70	50	62	53	40	49	44	45	57.
VAN BOOK	MAX	79	80	85	92	94	102	110	96	90	87	93	98	94	91	92	90	95	88	84	86	93	93	94	90	92	87	79	81	75	72	71	88.
	MIN	52	47	55	53	59	59	68	68	47	55	56	58	60	60	54	58	59	59	57	53	53	58	63	63	46	56	43	38	52	36	38	54.
VELVA	MAX	76	77	85	88	91	100	106	103	89	87	94	98	91	84	88	83	90	87	81	83	90	89	89	85	91	82	76	82	76	69	67	86.
	MIN	52	46	53	58	57	69	71	73	52	51	58	62	64	57	56	62	58	54	59	55	56	58	63	68	49	54	48	40	51	39	41	55.
WAHPETON STATE SCHOOL	MAX	80	76	80	90	89	95	98	98	96	87	92	89	91	91	83	92	88	87	82	81	86	91	99	97	91	92	85	80	87	70	68	87.
	MIN	62	52	51	60	62		68	72	67	58	70	74	71	69	68	65	58	60	64	52	55	64	71	68	56	63	54	43	49	45	45	60.
WASHBURN	MAX	79	78	85	90	89	97	105	96	87	88	93	93	94	92	85	88	90	84	84	81	89	93	93	93	88	86	81	80	77	72	79	87.
	MIN	55	50	54	60	63	61	72	70	55	49	64	64	66	60	58	63	63	61	60	61	60	65	65	67	51	47	50	44	54	43	40	57.
WATFORD CITY	MAX	80	85	89	95	97	102	111	95	92	84	94	97	92	90	90	95	93	85	87	86	92	92	93	84	93	88	79	82	73	72	72	89.
	MIN	54	49	60	56	65	60	72	72	51	61	55	59	60	62	55	64	61	62	59	52	55	61	63	59	49	54	45	43	55	40	41	56.
WESTBOPE	MAX	78	80	88	89	90	100	106	102	90	87	92	97	89	72	85	89	93	94	85	84	89	93	91	87	95	90	79	85	73	72	69	87.
	MIN	50	55	52	57	58	61	66	65	49	52	62	60	63	59	56	62	63	56	55	55	57	65	60	62	55	49	44	43	41	35	41	55.
WILLISTON WB CITY	MAX	80	83	91	92	98	101	108	83	89	79	96	97	89	87	90	93	93	86	84	86	92	90	90	80	90	77	77	81	70	71	71	86.
	MIN	56	50	62	58	68	63	70	60	50	65	55	57	64	64	60	65	63	67	60	57	58	59	66	58	50	53	49	46	56	41	43	57.
WILLOW CITY	MAX	78	82	85	91	90	99	103	94	89	87	95	96	92	85	86	88	90	89	88	83	90	91	87	83	92	83	77	83	77	70	67	86.
	MIN	51	48	45	58	55	57	68	60	51	47	59	57	62	59	53	59	57	52	52	54	52	58	61	64	42	54	46	35	51	38	38	53.
WILTON RR STATION	MAX	87	77	75	85	90	86	98	104	91	85	85	94	90	92	90	82	85	85	77	78	79	87	90	91	79	86	78	78	78	76	69	84.
	MIN	54	50	49	56	61	59	66	63	56	57	60	61	61	61	54	61	61	59	56	55	54	61	62	64	51	52	50	44	44	42	37	55
WISHEK	MAX	88	78	76	85	96	82	98	99	100	85	88	95	91	93	98	86	89	87	76	80	77	89	93	99	83	90	79		78	77	70	86.
	MIN	51	46	43	59	54	57	67	68	52	45	65	62	60	57	59	61	61	59	58	56	58	61	65	68	49	58	45		36	36	39	55.

EVAPORATION AND WIND

Table 6

Station		Day of month																													Total or ave.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DICKINSON EXP STATION	EVAP	.22	.24	.27	.23	.24	.27	.41	.50	.44	.20	.20	.16	.28	.16	.21	.22	.23	.30	.06	.23	.03	.24	.26	.28	.26	.28	.26	.24	.20	.27	.29	7.6
	WIND	80	70	100	100	70	90	120	150	160	30	170	90	180	105	165	120	90	140	50	80	80	90	185	150	85	105	95	80	50	120	155	335
MANDAN EXP STATION	EVAP	.29	.28	.19	.20	.18	.10	.36	.42	.34	.19	.32	.16	.23	.22	.28	.13	.13	.20	.12	.13	.15	.14	.26	.24	.21	.20	.22	.23	.18	.24	.26	6.8
	WIND	77	116	42	84	42	48	161	174	125	35	150	61	136	63	166	58	41	88	84	70	44	199	140	63	73	92	68	33	102	118	*	
RIVERDALE	EVAP	.39	.29	.34	.39	.40	.48	.59	.55	.58	.25	.48	.50	.52	.41	.38	.35	.38	.40	.31	.25	.31	.24	.59	.49	.24	.24	.39	.28	.27	.32	.18	11.7
	WIND	102	86	119	161	91	138	233	252	116	64	200	121	235	136	222	109	126	167	126	90	151	99	277	256	115	102	82	81	80	86	99	432

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 2D	98 08			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J HAUMAN	3
ALMONT 7 W	0138	MORTON	4	48 43	101 39	230D	7P	7P	HOGAN RAMSLAND	2 3 5
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	B A BURY	S
AMENIA	0196	CASS	11	47 0D	97 1S	980	SS	SS	VIRGIL L GEBEKE	2 S 5
ANDON	02D9	SLOPE	1	48 30	103 19	2910	5P	5P	STANLEY W BALE	2 3 4 5
ANVILLA STATE PARK	0369	GRAND FORKS	10	47 56	97 30	960	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	99 22	2025	8A	8A	SOO LINE AGENT	2 S 4 5
BALDHILL DAM	0450	BARNES	11	47 02	98 05	13D0	8A	8A	F A JOHNSON	2 3 5
BALFOUR RR STATION	0492	MC HENRY	12	47 57	100 52			MID	C G THOMSON	S 4
BEACH	0590	GOLDEN VALLEY	7	48 55	104 01	2814	7A	7A	LUTHER F HODGIN	2 3 5
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	99 45	1860	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	8	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1601	6P	6P	ROBERT L PETERSON	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1670	IDA	IOA	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1850	MID	MID	D S WEATHER BUREAU	2 3 4 5
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 S 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	2 3 5
BOWBELLS RR STATION	0981	BURKE	12	48 48	102 15	1858	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O H SOOK	2 3 4 5
BREIEN	1052	MORTON	1	46 24	100 57	1720		MID	FRANK E POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1740	8P	6P	M D ANDBBSON	2 S 5
CARRINGTON	1380	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 S 5
CARSON	1385	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	S 4
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5
COLGATE	1686	STEELE	10	47 14	97 39	1180		6P	O W JENSEN	3
COOPERSTOWN	1786	GRIGGS	11	47 26	98 07	1428	5P	5P	E J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	3	47 13	88 34	1523		6P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICHOLS	2 3 5
DAWSON	2018	KIDDER	8	46 52	99 45	1730		MID	LOD18 J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	D S WEATHER BUREAU	2 3 4 5
DICKINSON CAA	2183	STARK	4	46 48	102 48	2587	MID	MID	CAA	2 3 4 5
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 S 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK B SOMMARS	2 3 5
DURSKITB ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	S R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELSWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	B W CASE	2 3 5
ELLENDALE	2605	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GRESS	2 3 5
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 3 5
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAU	2 3 4 5
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5
FLASHER	3009	MORTON	1	46 27	101 14	1930		8A	GEORGE M SINCLAIR	3
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5
FORT YATES	3207	SIOUX	8	46 08	100 38	1640	SS	SS	STAND RK INDIAN AGY	2 3 4 5
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	D S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	MID	MID	MAE H VORACHEK	2 3 4 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	LOOIS N GAUER	3 4
GOLVA 3 N	3556	GOLDEN VALLEY	7	46 47	103 58	2980		MID	ISADORE MARGULIES	S 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DB J C LAMONT	2 3 5
GRAND FORKS CAA	3816	GRAND FORKS	10	47 56	97 05	834	MID	MID	CAA	2 3 4 5
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED NOBLE	2 3 5
GREMORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN KISSE	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1088	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	HOMER A HENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1588	6P	6P	A E PRIOR	2 S 5
HANKSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W E DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	E J REYNOLDS	3
HAYNES 6 NE	4073	ADAMS	3	46 01	102 24	2640		MID	BYRON H HOSB	3 4
HAZELTON RR STATION	4083	EMMONS	8	46 29	100 17	1978		MID	HPERAIN ZACHER	3 4
HETTINGER	4178	ADAMS	3	46 00	102 38	2675	6P	6P	EDGAR MARTIN	2 3 5
HILLSBORO	4203	TRAILL	10	47 24	97 04	901	8P	8P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS H RUTH HUCHWITZ	3 4
JAMESTOWN CAA	4413	STUTSMAN	5	46 55	98 41	1487	MID	MID	CAA	2 3 4 5
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAU	12	48 39	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLADGSON	2 3 5
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	JESSE P PHILLIPS	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGBB	2 3 5
LINTON	5210	EMMONS	8	48 16	10D 14	1711	8P	8P	WM HEYERMAN	2 3 5
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT W JODSAAS	2 3 5
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	6P	6P	BENSON CY AGB SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	6P	S P GRANE	2 3 5
MAX	5638	MC LEAN	8	47 49	1D1 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5660	TRAILL	10	47 30	97 19	975	6P	6P	H A RAGAZ	2 3 5
MC CLUSKEY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A HAMILTON	2 3 5
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MID	HARTVIN H HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	98 35	1509	8P	8P	C E BLASKY	2 3 5
MD LEOD 3 E	5754	RICHLAND	11	48 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 48	98 11	1467		6P	B H KNIEFEL	3
MEDIRA 1 W	5798	STUTSMAN	8	48 53	89 19			6P	RUDOLPH GRAF	3
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	2 3 5
MEDORA TRMD	5813	BILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5
MINOT CAA	5988	WARD	12	48 15	101 17	1724	MID	MID	CAA	2 3 4 5
MINOT EXP FARM	5983	WARD	12	48 10	101 18	1720	8P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	8015	BURLEIGH	8	46 41	100 18	1750		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1839	9P	9P	IVER JOHNSON	2 3 5
MONTPELIER	8105	STUTSMAN	5	46 42	98 35			8A	ROLF HANSON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420	8S	8S	FOREST S COVING	2 3 4 5
MUNICH 4 SW	6185	CAVALIER	2	48 38	98 53	1598	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 2 SE	6255	LOGAN	8	46 28	99 43	1955	7P	7P	GLADYS J PETERSON	2 3 5
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S HATCH	2 3 5
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550	6P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 5
OAKES	6620	DICKEY	5	46 08	98 05	1320	8A	8A	C M MAGEN	2 3 4 5
OMEMEE 3 SE	8703	BOTTINEAU	12	48 39	100 20			MID	ARTHUR S VOLLMER	3 4
PARK RIVER	6857	WALSH	10	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 5
PEMBINA CAA	6947	PEMBINA	10	48 57	97 15	792	MID	MID	CAA	2 3 4 5
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5
PETTIBONE	7047	KIDDER	8	47 07	99 31	1856	7P	7P	L H DETHLOFF	2 3 5
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	S
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
REEDER 14 W	7452	SLOPE	1	46 19	102 57	2860		8A	CHAS M METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	7P	7P	ASSUMPTION ABBEY	2 3 5
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO B FAGERLUND	2 3 5
RUGBY	7704	PIERCE	12	48 22	100 00	1560	6P	6P	FRANK HORNSTEIN	2 3 5
RYDER	7749	WARD	8	47 55	101 40	2108		9A	S C SCHELLENBAUM	3
SANISB	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	S J SUGGE	2 3 5
SARLES	7844	CAVALIER	8	48 57	89 00	1585		MID	CLARENCE J OLSON	3 4
SEABING	7944	MC KENZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE 11 W	7952	SIOUX	8	46 01	101 10	2183		7P	L E WILSON	3
SHARON	7886	STEELE	10	47 38	97 54	1516	8P	8P	HUGH LYON	2 3 5
SHERWOOD	8047	RENVILLE	12	48 00	101 38	1647		6P	U S CUSTOMS SERV	3
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5
STEELE	8368	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE M PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST 8 RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	BIDDER	8	47 02	100 04	1936		8P	ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAN HOOE	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 38	962		MID	NEWTON O JONES	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCE	2 3 5
WALHALLA	9155	PEMBINA	9	48 56	97 55	966		7P	PETER PAULUS	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5
WESTHOPE	9338	BOTTINEAU	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JONATHAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 35	1877	MID	MID	U S WEATHER BUREAU	2 3 4 5
WILLOW CITY	9445	BOTTINEAU	12	48 36	100 17	1471	8P	8P	O M 9ANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISHEB	9515	MC INTOSH	8	46 16	99 34	2010	8A	8A	H M LARSON	2 3 5

‡ DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See reference notes following Station Index.

GPO CM F50 10-10-49 1,100

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygrometric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

-	No record.
+	And also on later dates.
*	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
6	Precipitation measured at 6-hourly intervals, no recording gage.
B	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table 5 for detailed daily record.
R	Station equipped with recording gage only.
S	Storage precipitation station. Precipitation measurements, made at irregular intervals, will be published in the June issue of this publication.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
Z	Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly subscription includes Annual Summary) Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois.

Nat Hist

JUN 20 195

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

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SEPTEMBER 1949
Volume LVIII No. 9

CHICAGO: 1949

NORTH DAKOTA - SEPTEMBER 1949

F. J. Bavendick, Section Director - Bismarck

GENERAL SUMMARY

September with its seasonable temperatures and less than half of normal precipitation was an ideal month for harvesting and threshing and other fall work.

Temperatures were slightly below normal at nearly all stations. The eastern division averaged 1.4 degrees below normal, the central averaged 1.3 degrees below, and the western division averaged 1.4 degrees below normal. Maximum temperatures ranged in the low 90's at more than half of the stations on the warmest days and the minimum temperatures in the lpw 20's on the coldest days. The western stations had killing frost on the 13th and nearly all stations had killing frost on the 14th and 15th. A few widely scattered stations reported frost on the 1st, and some stations in the southeast did not have killing frosts until the 28th.

Precipitation during the month was considerably below normal at all stations in the state. Departures ranged from 0.31 inch below normal at Parshall to 1.86 inches below normal at Fargo. Since 1892 there have been only five Septembers with less average rainfall. The eastern division averaged 0.61 inch which is 1.28 inches below normal, the central division averaged 0.55 inch which is 0.88 inch below normal, and the western division recorded 0.52 inch which is 0.74 inch below normal.

Farming operations made rapid progress under such favorable weather. Harvesting and threshing were mostly completed by the middle of the month. Corn picking, potato and beet digging made good progress during the last half of the month. The potato harvest was about three-fourths completed and the beet harvest about one-third completed. The soil moisture was badly depleted during the dry weather and little fall plowing was done. More stubble mulching and surface tillage was done in the drier areas. Pastures were very dry. Some haying was done during the month. Generally feed supplies are adequate over the state.

No severe storms were reported during the month. It was quite windy about the 16th to 18th which delayed farm operations. However, no property damage has been reported.

C. J. S.

TEMPERATURE

The mean temperature for the state was 55.6°, which is 1.2° below normal for the month. The monthly mean temperatures ranged from 58.6° at Mott to 51.8° at Belcourt. The highest temperature recorded in the state was 94° at Watford City on the 10th, Mandan on the 16th, Edgeley, and Jamestown on the 25th, and the lowest 13° at Medora on the 13th.

PRECIPITATION

The average precipitation for the state was 0.56 inch, which is 0.97 inch below normal for September. The total amounts recorded at various stations ranged from 1.29 inches at Sharon to 0.12 inch at Richardton and Watford City. The heaviest rainfall reported in any one day was 1.08 inches at Parshall on the 11th. The monthly average of snowfall was a trace or 0.1 inch less than normal. The greatest monthly amount was 0.3 inch at Almont; the least a trace at several stations. The greatest depth on the ground was a trace at Almont on the 12th.

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather atations, this bulletin series contains records from Hydroclimatic Network Stationa whicb were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was eatablisbed in 1939 at the request of tbe Corps of Engineers, Department of tbe Army, to supplement exiating precipitation atations in order to provide recorda of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. Tbis Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, bas been maintained hy tbe Weather Bureau through working funds tranaferred annually to the Weatber Bureau by tbe Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has tranaferred about $25,000 per year to meet the increasing needa of tbeir program in the Western Statea.

Previous to the introduction of tbis bulletin Seriea, data from Hydroclimatic Network Stations were presented in bulletina (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, But since tbe Network was eatablished to meet tbe internal requirements of the Federal Agencies referred to above, no provision was made for public dissemination of tbe data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public officea, private agencies, and individuals as listed in tbe Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes—inches				Wind speed—m. p. h.				Relative humidity averages—percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 p. E.S.T.	Percent of possible	
BISMARCK AIRPORT	30.36	28	29.31	16	9.6	47	NW	18	70	82	45	45	71	272
DEVILS LAKE	30.35	28	29.36	16	8.4	34	W	18	-	-	-	-	68	301
FARGO AIRPORT	30.33	28	29.40	16	12.7	44	W	18	65	75	43	43	54	262
WILLISTON	30.29	28	29.38	16	6.9	36	W	17	-	-	-	-	83	277

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	59.2	101	24	0.84	0	4
1893	57.1	102	8	0.81	0.1	4
1894	58.2	104	18	1.38	0	5
1895	56.6	100	12	0.77	0	4
1896	53.0	98	11	1.61	0	6
1897	64.1	109	18	0.28	0	2
1898	56.8	98	10	1.25	0	4
1899	55.0	101	11	0.58	T	3
1900	54.6	98	17	4.95	T	8
1901	53.6	100	12	2.01	T	7
1902	53.6	95	15	0.74	0	4
1903	51.6	90	18	2.99	0.7	7
1904	54.7	96	18	1.43	0	5
1905	59.8	104	23	1.67	0	5
1906	62.8	109	20	1.11	0	4
1907	52.1	96	9	1.39	T	6
1908	60.7	104	16	1.24	0.2	4
1909	59.0	93	24	0.95	0	4
1910	55.3	99	18	1.79	0.1	4
1911	54.9	95	21	2.37	T	8
1912	51.5	101	18	2.62	0	10
1913	57.2	108	8	1.74	0.4	6
1914	59.3	98	25	1.03	0	5
1915	54.6	104	23	2.32	0	9
1916	55.1	99	15	1.43	T	6
1917	56.4	97	16	1.04	0	5
1918	51.9	93	11	0.40	T	3
1919	58.6	100	20	0.94	0.3	5
1920	59.0	99	19	2.21	T	8
1921	57.0	101	25	3.21	T	12
1922	59.8	104	23	2.10	0	6
1923	60.1	99	15	2.51	0	6
1924	55.0	98	20	2.09	T	7
1925	58.1	103	20	2.67	T	8
1926	52.3	95	9	2.30	0.5	9
1927	56.8	101	10	1.00	T	3
1928	53.9	95	12	1.00	T	5
1929	52.7	105	12	1.65	0	5
1930	56.2	98	10	1.02	0	4
1931	61.4	107	27	2.14	T	6
1932	56.8	102	22	0.63	0	3
1933	60.9	101	22	0.81	0	4
1934	52.4	95	9	0.96	2.0	7
1935	57.2	105	16	0.43	0	3
1936	60.3	102	12	1.15	T	5
1937	58.6	104	20	1.47	0.1	6
1938	61.9	99	21	0.63	0	4
1939	58.9	98	11	0.68	0.2	5
1940	62.8	103	20	1.06	0	4
1941	55.3	94	17	4.61	0.2	11
1942	54.0	99	4	1.67	2.7	9
1943	55.6	94	19	0.51	0	4
1944	56.4	91	21	1.46	T	8
1945	54.5	103	14	2.14	0.1	9
1946	56.3	97	18	2.52	T	8
1947	55.5	101	13	1.45	T	7
1948	63.7	105	24	0.31	0	2
1949	55.6	94	13	0.56	T	4
PERIOD	56.8	109	4	1.53	0.1	

See reference notes following Station Index.

Station	Temperature								Precipitation								
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
AMENIA	57.1		87	2+	27	28		4	.38		.27	12				4	1	
ARVILLA STATE PARK	56.4		89	24	22	28		5	.57		.43	12				4	1	
CARRINGTON	52.5	-4.4	88	3	21	28		11	.30	-1.12	.12	3				4		
CAVALIER POWER PLANT	56.0	0.4	85	10	24	28		3	.82	-1.50	.37	12				9	1	
COOPERSTOWN	55.1	-2.6	90	25	21	28	1	4	.85	- .91	.43	12				3	2	
DEVILS LAKE WB CITY	55.2	-0.7	87	25	28	28		2	.55	-1.08	.45	12				5	1	
EDGELEY EXP FARM	57.4	-0.9	94	25	24	28	1	3	.35	-1.31	.20	6				3		
EDMORE 1 W	53.8	-2.6	86	25	16	28		5	.63	-1.22	.45	12				4	1	
ELLENDALE	57.7	-1.1	92	25	26	28	2	3	.47	-1.21	.26	12				5	1	
FARGO WB AIRPORT	56.8	-1.4	86	24	26	28		3	.36	-1.86	.21	12				5		
FORMAN	56.8M	-2.7	87	2+	24	25+			.67	-1.40	.37	6				3	2	
FULLERTON	57.8	-0.2	92	25	24	28	1	5	.38	-1.58	.24	12				2		
GRAFTON STATE SCHOOL	56.0M	-1.0	81	1	22	28		5										
GRAND FORKS CAA	55.3	-1.6	85	24	23	28		5	.64	-1.28	.52	12				6	1	
GRAND FORKS UNIVERSITY	55.2	-1.7	83	10+	24	28		3	.69	-1.23	.54	12				6	1	
HANKINSON RR STATION	56.0	-4.5	87	3	26	28		3	.40	-1.70	.25	13				5	1	
HANNAH	54.2M	-0.6	86	24	24	28												
BILLSBORO	56.4	-2.6	86	24	25	28		2	.94	-1.13	.58	3				3	2	
JAMESTOWN CAA	55.4	-1.6	92	25	23	28	1	5	.64	-1.03	.26	12				4	1	
JAMESTOWN STATE HOSPITAL	56.7	-0.3	94	25	26	28	1	3	.61	-1.06	.24	12				4	1	
KENSAL WILDLIFE REFUGE	52.9M		88	25	18	28		4	.90		.60	12				2	2	
LA MOURE	57.6M		90	3+	22	28	2		.40		.21	12				3		
LANGDON EXP	54.4	0.9	86	25	21	28		5	.82	-1.41	.52	12				6	1	
LARIMORE	56.4M	0.0	85	24+	25	28		2	.56	-1.49	.35	12				4	1	
LISBON	55.5	-2.6	88	3	23	28		8	.42	-1.58	.32	13				2	1	
MAYVILLE	57.9	-0.6	86	24	25	28		2	.43	-1.63	.36	12				3	1	
MC HENRY 5 N	54.9	-0.9	89	25	25	28		4	.74	- .69	.31	12				6	1	
MUNICH 4 SW	53.4		85	24+	25	14+		6	.58		.28	12				6	1	
OAKES	56.5	-2.5	89	3+	25	28		7	.51	-1.25	.21	7				4		
PARK RIVER	57.3	0.4	89	25	26	28		1	.62	-1.53	.33	12				4	1	
PEMBINA CAA	53.7	-0.8	83	1+	20	28		5	1.18	-1.00	.58	12				6	2	
PETERSBURG	55.1		88	25	25	28		4	.52	-1.45	.36	12				5	1	
SHARON	55.6	-1.8	89	25	24	28		3	1.29	- .76	.87	12				4	2	
VALLEY CITY	57.4	-1.4	89	25	22	28		3	.38	-1.41	.20	12				4		
WAHPETON STATE SCHOOL	58.3	-1.7	86	24	22	28		3	.69	-1.53	.34	12				5	1	
DIVISION	55.8	-1.4							.61	-1.28								
MIDDLE DIVISION																		
ASHLEY	55.5	-2.4	91	25	20	28	1	5	.55	- .92	.31	6				2	1	
BELCOURT INDIAN RES	51.8		85	10	25	15		7	.76		.37	11				6	1	
BISBEE	54.0	-2.7	91	10	25	28	1	5	.59	-1.10	.24	12				5		
BISMARCK WB CITY	57.1	-1.0	92	17	26	14	2	1	.65	- .79	.27	13				4	1	
BISMARCK WB AIRPORT	56.4	-0.9	92	16	24	28	1	4	.54	- .69	.27	12				5	1	
BOTTINEAU	54.8	-0.7	89	10	24	28		6	.57	-1.02	.20	11				6		
BOTTINEAU STATE PARK	55.6		89	11	21	28		3	.95		.40	11+				3	2	
CARSON 2 SW	57.8	-0.3	90	2+	23	13	2	4	1.10	- .34	.45	6				5	2	
CENTER	55.3	-2.8	92	24	19	14	1	10	.58	- .78	.24	5				6		
DRAKE	55.3	-2.3	86	26	29	14		2	.56	- .87	.25	11				6	1	
DUNSEITB ST SANITARIUM	54.3M	-0.7	85	10	21	28		4	.61	-1.06	.25	11				4	1	
ECKMAN	53.0	-2.7	88	25	22	14+		7	.39	-1.11	.27	12				3	1	
FESSENDEN	57.3M	0.7	85	19+	26	28		2	.36	-1.15	.26	13				2	1	
FOXHOLM WILDLIFE REF	55.7	-0.5	89	24	24	14+		3	.30	-1.25	.23	11				3		
GARRISON	56.8M	0.9	86	10+	25	28		3	.41	-1.05	.37	11				2	1	
GRANVILLE	55.3	-0.6	89	10+	23	28		4	.52	-1.04	.45	11				3	1	
HANSBORO	54.6	0.4	87	10+	24	28		6	.78	-1.08	.34	11				9	1	
LEEDS	56.3		90	24	25	28	1	4	.50		.31	12				4	1	
LINTON	57.1	-2.7	92	25	19	28	2	6	.64	- .93	.36	6				3	1	
MANDAN EXP STATION	56.2	-2.4	90	17	25	14+	1	4	.46	-1.00	.17	6				6		
MANDAN FT LINCOLN PARK	58.1		94	16	26	14	2	5	.55		.26	6				3	1	
MAX	54.6	-2.0	86	11+	24	14+		5	.55	- .84	.47	12				3	1	
MC CLUSKY	55.9	-1.3	87	25	26	28		2	.36	-1.01	.20	11				3		
MINOT CAA	56.6	0.2	90	10	29	15	1	3	.40	-1.20	.35	11				4	1	
MINOT EXP FARM	56.5		89	10	27	14		3	.40		.35	11				3	1	
MOHALL	54.6M	-0.3	90	10	26	14	1	6	.55	-1.01	.30	11	T			4	1	
NAPOLEON 2 SE	55.3	-2.2	87	25	23	28		3	.61	- .85	.26	6				4	2	
NEW SALEM 1 S	57.4	-0.9	88	16	26	13		3	.54	- .77	.33	11	T			5	1	
PETTIBONE	55.9M	-0.7	88	25	25	28		4	.81	- .53	.25	12				6	1	
RIVERDALE	55.4		85	25	27	28		4	.46		.25	12				2	1	
ROLLA	54.3	-0.8	84	10+	29	28		3	.65	-1.10	.31	11				5	1	
RUGBY	57.0		87	24	26	14		2	.42	-1.26	.20	12				4		
STEELE	55.1	-2.6	90	16	21	28	1	5	.80	- .73	.21	11				6		
TOWNER	55.5	-1.4	90	24	22	28	1	7	.34	-1.38	.30	11				2	1	
TURTLE LAKE	55.6M	-1.9	88	16	25	28		6	.48	- .79	.42	11				2	1	
UNDERWOOD 12 W	56.2	-2.0	88	2	20	28		6	.52	- .88	.47	11				2	1	
UPHAM WILDLIFE REFUGE	54.8M		91	10	19	28	2	11	.42		.35	11				2	1	
VELVA	56.2	-1.0	87	24	25	28		3	.49	-1.07	.44	11				3	1	
WASHBURN	57.4	-1.9	88	16	27	14+		2	.27	-1.00	.27	11				1	1	
WESTHOPE	55.2	-0.4	88	10	26	14+		4	.43	-1.02	.31	11				3	1	
WILLOW CITY	54.8	0.1	86	1+	19	28		6	.74	- .91	.42	11				4	1	
WILTON RR STATION	54.3M	-3.0	86	17	26	14		4	.50	- .75	.20	11				4		
WISHEK	54.5M	-2.7	89	26	16	28		6	.55	- .90	.17	7				5		
DIVISION	55.6	-1.3							.55	- .88								

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature						No. of days		Precipitation				Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 SW	58.2		91	2	27	14	1	3	.81		.39	6	0.3	T	12	5	2	
AMIDON	57.4	-1.0	89	24	22	13		3	.70	- .77	.51	6	T			5	1	
BEACH	55.5	-1.9	89	25	27	13+		7	.17	-1.10	.06	6+				4		
BELFIELD	55.9	-2.1	89	10	18	13		6	.42	- .92	.24	11				3		
BOWBELLS RR STATION	52.6	-2.0	89	11	27	14		7	.99	- .42	.40	11				3	3	
BOWMAN COURT HOUSE	58.3	0.5	88	2	22	13		1	.71	- .56	.51	6				5	1	
CROSBY	53.6M	-1.2	89	25	25	14+		9	.40	- .84	.30	12				3	1	
DICKINSON CAA	55.8	-0.6	88	24	20	13		4	.24	-1.06	.09	6	T			3		
DICKINSON EXP STATION	54.8	-1.6	89	25	21	13		7	.42	- .88	.30	11				4	1	
DUNN CENTER	52.4M	-4.1	88	10	18	14		11	.27	-1.13	.19	6				2		
ELBOWOODS	53.8	-3.7	92	10	19	28	1	12	.49	-1.00	.38	11				3	1	
EPPING	56.4	-0.3	91	24	23	13	2	8	.31	- .98						4		
HETTINGER	57.0	-1.6	92	16	21	13	1	7	.57	- .73	.40	6				3	1	
KENMARE	56.4	0.2	90	11	31	13+	1	4	.46	-1.11	.29	11				3	1	
MARMARTH	56.5M	-1.3	90	2	20	13	1	6	.55	- .71	.30	6	0.2			3	1	
MEDORA T R N M P	55.2		91	10+	13	13	2	12	.22		.09	4				5		
MOTT	58.6	0.8	92	16+	22	13	2	9	1.05	- .32	.57	11				3	2	
NEW ENGLAND	56.8	-0.6	89	2+	20	13		6	.59	- .78	.45	6				3	1	
PARSHALL	54.1	-1.2	90	10	20	28	1	8	1.18	- .31	1.08	11				5	1	1
PORTAL	53.8M	-1.4	91	11	28	27	1	6	.63	- .83	.39	12				4	1	
RICHARDTON ABBEY	57.4	-0.8	90	24	23	13	1	3	.12	-1.20	.05	6	T			4		
SANISH	52.2M	-5.3	92	11	18	28	2	12	.34	-1.00	.18	12				4		
STANLEY	52.3M		89	10	21	28		9	.99	- .38	.48	10				3	2	
VAN HOOK	56.0M		92	10	23	14+	1		.29		.22	11				3		
WATFORD CITY	56.8M	-0.9	94	10	25	13+	2	6	.12	-1.19	.10	18				2		
WILLISTON WB CITY	56.2	-0.4	89	10+	26	14		6	.36	- .73	.28	11	T			5	1	
DIVISION	55.5	-1.4							.52	- .74								
STATE	55.6	-1.2							.56	- .97								

SNOWFALL AND SNOW ON GROUND

Table 7

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALMONT 7 SW	FALL												0.3																		
	ON GROUND												T																		
CARSON	FALL												-																		
	ON GROUND												-																		
DICKINSON CAA	FALL												T																		
	ON GROUND																														
MARMARTH	FALL												0.2																		
	ON GROUND																														
MOHALL	FALL										T‡																				
	ON GROUND																														
RICHARDTON ABBEY	FALL												T																		
	ON GROUND																														
WILLISTON WB CITY	FALL												T																		
	ON GROUND																														

‡ HAIL

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA

SEPTEMBER 1948

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S												.47						T													0.47
ALEXANDER RR STATION											.23	.01						.03								.04						0.31
ALMONT 7 SW			.01	T		.38					.31	.03														T				.07		0.81
ALPHA 1 S		.02		.10		.34					.03	T				T								T						T		0.48
AMENIA			.08			.02						.27														.01						0.38
AMIDON Z					.06	.51	.02				.08	.02																				0.70
ARVILLA STATE PARK			.04			.08					.02	.43	T																			0.57
ASHLEY Z						.31						.24																		T		0.55
BEACB				.02	.03	.06	T				.06																					0.17
BELCOURT INDIAN RES		.01									.37	.24	.02				.05	.07														0.76
BELFIELD					.08	.10					.24	T																				0.42
BERLAH			.01		.06	.03					.78	.03																				0.92
BISBEE		T	.06							T	.20	.24						.05	.04												0.58
BISMARCK WB CITY		T				.19	.10				.09		.27																			0.6S
BISMARCK WB AIRPORT Z		.01	T	T	.10	.11					.05	.27				T									T					T		0.54
BOTTINEAU		T	.04								.20	.16	.01				.04	.12														0.57
BOTTINEAU STATE PARK											.40	.15						.40														0.85
BOWBELLS RR STATION										T	.40	.33	T					.28								T						0.99
BOWMAN COURT BOOSE Z				.10	.02	.51					.06	.02																				0.71
CARRINGTON			.12								T	.0S	.10					.03														0.30
CARSON R					.25	.31				.02	.43	.07																				1.08
CARSON 2 SW					.11	.45					.37	.16														.01						1.10
CAVALIER POWER PLANT		T	.02	T	.02	.02				T	.04	.37	.22			T	.06	.04	.03						T							0.82
CENTER		.02			.24	.04					.17	.07																		.04		0.58
COLGATE			.17									.57																				0.74
COOPERSTOWN			.34			.08					T	.43						T														0.85
COURTENAY			.25								.12	.20																				0.57
CROSBY											T	.30					.01	.09														0.40
DAWSON R			.20		.03	.09					.30	.17																				0.79
DEVILS LAKE WB CITY Z		T	.03			T					.04	.45				.01	T	.02						T	T							0.S5
DICKINSON CAA Z		T	T	T	.08	.09				T	.07	T				T								T								0.24
DICKINSON EXP STATION			T		T	.08	.02				.30	.02	T				T		T						T							0.42
DRAKE			.02								.25	.04	.07				.12	.06														0.56
DUNN CENTER						.19					.08																					0.27
DUNSEITB ST SANITARIUM		.05									.25	.13						.18														0.61
ECKMAN						.02						.27	.10																			0.39
EDGELEY EXP FARM 2			.02			.20						.13																		T		0.35
EDMORE 1 W		T	.06			T					T	.45	.05					.07								T						0.63
ELBOWOODS						.06					.3B							.0S														0.49
ELLENDALE			T	T	T	.11				.02	.03	.26														.05						0.47
EPPING										.07	*	.22													.02							0.31
FAIRFIELD 9 N					T	.37					.20																					0.57
FARGO WB AIRPORT Z		T	T			.04	.01			T	.07	.21	T					T								.03				T		0.36
FESSENDEN											.10		.26																			0.36
FLASHER						.30	.20				.13	.08	.06																			0.75
FORMAN						.37						.27														.03						0.67
FORT YATES Z			.03		.04	.41					.05	.15																		T		0.68
FOXHOLM WILDLIFE REF											.23	.02						.05							T							0.30
FULLERTON						.14				T	T	.24														T				T		0.38
GACKLE						.18					T	.36																				0.54
GARRISON 2			T								.37	T						.04														0.41
GLEN ULLIN R					.04	.14					.52																			.02		0.72
GOLVA 3 N R		.07	.09	.02	.24	.02					.04																					0.48
GRAFTON STATE SCHOOL		T	.03			-					.04	.27	.18																			-
GRAND FORKS CAA Z		.04	.04			T					T	.52	.02				.01	.01														0.64
GRAND FORKS UNIVERSITY		.02	.04			T	T				T	.54	.06				.02	.01								T						0.69
GRANO R//										.68	.23							.07														0.98
GRANVILLE			T			T					.4S	.04	T				T	.03								T						0.52
HALLIDAY					T	.23					.20	T																				0.43
HANKINSON RR STATION					*	*	.10						.25													.05						0.40
HANNAFORD R		.10				.02						-																				-
HANNAH		T	.09			.07				.08		.48	.08				-	-														-
HANSBORO		.03	.01			.01				.01	.37	.24	.02				.05	.04														0.76
HARVEY WATER WORKS										.13	T	.20	.03																			0.36
HAYNES 6 NE R				.03		.12	.03				.15	.0S																				0.38
HAZELTON RR STATION R//						.25					.40	.14																				0.78
HETTINGER				.10		.40					.07																					0.57
BILLSBORO		T	.58			T					T	.33	T					.03														0.94
HURDSFIELD R			.02								.09	.23				.02		.02												.03		0.41
JAMESTOWN CAA Z			.07			.08				T	.23	.26						T												T		0.64
JAMESTOWN STATE BOSP			.11			.10					.13	.27																				0.6I
KENMARE											.29	.10						.07														0.46
KENSAL WILDLIFE REFUGE			.30									.60						T														0.90
LA MOURE			.01			.18					T	.21																				0.40
LANGDON EXP FARM						.02					.03	.52	.15				.04	.06														0.82
LARIMORE		T	.15			T	.02					.35	.04																			0.56
LEEDS										T	.04	.31					.0	.07														0.50
LINTON					T	.36					.08	.20																				0.64
LISBON							.10						.32																			0.42
MANDAN EXP STATION Z			.01			.17	.05				.07	.05	.11																			0.46
MANDAN FT LINCOLN PARK						.26					.08	.21																				0.55
MARMARTH			T	.18	.07	.30					T	T																				0.55
MAX			.05									.47	.03																			0.55
MAYVILLE			.05									.36	.02					T								T						0.43
MC CLUSKY			.04								.20	.12																				0.36
MC GREGOR RR STATION R										.08	.47							-														-
MC HENRY 5 N		.02	.23								.01	.31	.0					.09														0.74
MC VILLE			.30									.40																				0.70
MEDINA 1 W			.08			.15					.11	.15																				0.48
MEDORA STATE PARK			-	-	.15																											-
MEDORA T R N M P			.04	.09	.04					.03	.02																					0.22
MINOT CAA Z		T	T			.03					.35	.01				T	T	.01							T							0.40
MINOT EXP FARM						T					.3S	.04						.01								T						0.40
MOFFIT RR STATION			.12			.16					T	.44	.14				.02								.07							0.85
MOHALL										.IT	.30	.05				T	T	.03														0.55
MONTPELIER						.09	.0				T	.24	.13					T								T							0.52
MOTT Z					.06	.42					.57																					1.05
MUNICH 4 SW		*	.08								.07	.28					.07	.08								T						0.58
NAPOLEON 2 SE				T	T	.26					.05	.25						.05														0.61
NEW ENGLAND					.09	.45					.05	T																				0.59
NEW SALEM 1 S			.01			.15					.33	.03					T													.02		0.54
OAKES Z							.21					.10	.15													.05						0.51
PARK RIVER		T	.04			T					.14	.33	.11					T														0.82
PARSHALL						.02					1.08	.02	T					.01								.05						1.16
PEMBINA CAA Z		.01	T			.02					.16	.58	.26			T		.13		T						T	T					1.16
PETERSBURG			.02		T						.04	.36	.06					.04														0.52
PETTIBONE			.21			.08					.19	.25	.05			.03		T														0.81
PORTAL											.04	.39	.04					.16														0.63
PRETTY ROCK					.06	.35					.31	.11														T				.05		0.66
RAUB R			.04								.50							.07														0.61
REEDER 14 W			T	T		.45	.0				.11	T	T													T						0.65
RICHARDTON ABBEY			.02	T	.02	.05					.03	T				T										T				T		0.12
RIVERDALE Z			T			T					.21	.25	T				T	T								T						0.46
ROLLA		.02									.31	.24					.05	.03														0.65
RUGBY											.11	.20	.03				.08															0.42

See reference notes following Station Index

DAILY PRECIPITATION

Table 3—Continued

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SANISH											.12	.18						.03	.01							T				.01		0.34
SELFRIDGE 11 W			T		T	.22					.03	.18																				0.44
SHARON			.35			T						.87	.05					.02														1.29
SHERWOOD		.03								T	.40	.05													T							0.48
STANLEY		T				T				.48	.43	T						.08														0.99
STEELE			.16		.02	.19					.21	.20					T	.02							.02							0.80
TAGUS		T				T				.02	.24	.02				T	T	.11														0.41
TIOGA											.50																					0.50
TOWNER											.30	.04																				0.34
TROTTERS		T			.33					.67	.11					T	T	T							T							1.11
TURTLE LAKE											.42	.06																				0.48
TUTTLE 8 SW			.13			.14					.15	.32													T					T		0.74
UNDERWOOD 12 W		T	T			T				T	.47	T				T		.05														0.52
UPHAM WILDLIFE REFUGE											.35	.07					T															0.42
VALLEY CITY			.07			.06					.05	.20						T								T						0.38
VAN HOOK										T	.22	.02					T	.05							T	T						0.29
VELVA			T								.44	.03	T					.02								T						0.49
WAHPETON POWER PLANT R						.20					.04	.30														.10						0.64
WAHPETON STATE SCHOOL			T	T		.20	.02				.03	.34														.10						0.69
WASHBURN		T				T					.27	T																				0.27
WATFORD CITY																		.10							.02							0.12
WESTHOPE		.05	T								.32	.06				T																0.43
WILDROSE											.24	.06						.17														0.47
WILLISTON WB CITY 8		T				.05				T	.28	.01				T	T	.01							.01							0.36
WILLOW CITY		T									.42	.24				T	.03	.05								T						0.74
WILTON RR STATION						.12					.20	.02	.16																			0.50
WISHEK			T			.12	.17				.11	.14	T													.01						0.55

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygrometric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

- \- No record.
- \+ And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Precipitation measured at 6-hourly intervals, no recording gage.
- H Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- S Storage precipitation station. Precipitation measurements, made at irregular intervals, will be published in the June issue of this publication.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15 cents per copy, Monthly and Annual; $1.50 per year. (Yearly subscription includes the Annual Summary). Checks, postal notes and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Weather Records Processing Center, 1300 U.S. Court House, Chicago 4, Illinois.

Table 4

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—2d—																										
BISMARCK WB AIRPORT																									.01	.01
GOLVA 3 N																								.02	.05	.07
GRAND FORKS CAA	//																			.04						.04
HANNAFORD																				*	*	*	*	*	.10	.10
PEMBINA CAA	//																						.04	.01		.05
PETTIBONE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-
—3d—																										
BOWMAN COURT HOUSE	//																						.03	.07		.10
DAWSON		.15	.01	.03	.01																					.20
DEVILS LAKE WB CITY				.03																						.03
FORT YATES																.03										.03
GOLVA 3 N		.01																		.02			.02	.04		.09
GRAND FORKS CAA	//					.02			.01																	.03
HETTINGER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-
HURDSFIELD		.01	.01																							.02
JAMESTOWN CAA	//	.01	.04	.04																						.09
PETTIBONE		.10	.05		.03	.01	.02																			.21
RAUB	//	.01	.01	.01	.01																					.04
—4th—																										
FORT YATES																						.03				.03
GOLVA 3 N															.02											.02
HAYNES NE	6																	.03								.03
HETTINGER														.02	.05	.03										.10
—5th—																										
AMIDON																.03	.01				.01	.01	.14	.02	.01	.23
ASHLEY	//																						.01	.01	.01	.03
BISMARCK WB AIRPORT																							.03		.07	.10
BOWMAN COURT HOUSE	//																						.02	.03	.01	.06
BREIEN											.07	.04	.01	.01			.05		.01	.02	.05	.01	.01	.07	.03	.38
CARSON																	.03	.01	.02	.02	.01	.04	.10	.01	.01	.25
DAWSON																									.03	.03
DICKINSON CAA																				.01	.01	.01	.01	.01	.02	.07
FORT YATES		.01	.01																		.03	.01	.01	.02	.01	.10
GLEN ULLIN																									.04	.04
GOLVA 3 N																	.01		.01	.04	.09	.06	.02		.01	.24
MANDAN EXP STATION																						.02	.01	.08	*	.11
MOTT																	.01	.02		.01		.02	.02	.01	.02	.11
—6th—																										
AMIDON		.01	.07	.01	.02	.01		.08	.02	.01	.04	.02														.29
ASBLEY	//		.01									.03	.03	.04	.02	.01										.14
BISMARCK WB AIRPORT		.01			.01	.03	.01					.02	.02	.01												.11
BOWMAN COURT HOUSE	//		.04	.13	.06	.04	.04	.04	.01	.04	.02	.03														.45
BREIEN			.01				.02	.01	.01	.05	.05	.03	.04	.02	.01											.25
CARSON		.01	.01	.01			.01	.04	.05	.05	.02	.05	.03	.03												.31
DAWSON		.07	.02																							.09
DICKINSON CAA		.07							.01	.04	.01															.13
FARGO WB AIRPORT	//			.01	.01		.01		.01																	.04
FORT YATES		.01	.01			.01		.01	.02	.01	.06	.06	.03	.12	.02											.36
GLEN ULLIN			.03	.01			.01	.03	.03	.03																.14
GOLVA 3 N									.02																	.02
HANNAFORD								.02																		.02
BAYNES NE	6								.07	.02		.02		.01												.12
HAZELTON R R STATION	//		.02	.01				.01	.04	.04	.01	.05	.02	.02	.02		.01									.25
HETTINGER					.05	.03	.10	.04	.07	.01	.08	.06	.08	.01	.02	.03										.5
JAMESTOWN CAA	//		.03	.02	.01	.02																				.0
MANDAN EXP STATION				.02	.01		.0				.01	.01														.0
MINOT CAA	//															.05										.0
MOTT		.04	.04	.02				.04	.09	.02		.03	.01		.01											.3
OAKES													.01	.04	.06	.04	.02	.01								.1
PETTIBONE		.01	.03	.01																						.0
WAHPETON POWER PLANT														.03	.08	.08	.01									.2
WILLISTON WB CITY														.05												.0
—7th—																										
AMIDON		*	*	*	*	*	.02																			.0
FARGO WB AIRPORT	//	.01																								.0
HAYNES NE	6	.01	.02																							.0
—10th—																										
AMIDON																							.09		.01	.1
BOWMAN COURT HOUSE	//																					.05				.0
CARSON												.02														.0
DICKINSON CAA																						.01				.0
GRANO	//																	.06	.62							.6
MC GREGOR RR STATION																			.08							.0
—11th—																										
AMIDON			.01																							.0
BISMARCK WB AIRPORT							.01		.04																	.0
BOWMAN COURT HOUSE	//																							.02	.01	.0
BREIEN							.27		.03																	.3
CARSON					.01	.25	.17																			.4
DAWSON											.18	.10				.02										.3
DEVILS LAKE WB CITY								.02					.01			.01										.0
DICKINSON CAA									.05	.01																.0
FARGO WB AIRPORT	//								.01		.01				.01	.01	.01						.01		.01	.0
FORT YATES										.05																.0
GLEN ULLIN							.31		.20		.01															.5
GOLVA 3 N						.04																				.0
GRANO	//					.08	.02		.01		.02	.05	.04	.01												.2
HAYNES NE	6		.01	.07	.01																.02		.01	.01	.02	.1
HAZELTON R R STATION	//								.22	.18																.4
HETTINGER			.09	.01																						.1
HURDSFIELD					.				.01	.01	.01	.01	.04	.01												.0
JAMESTOWN CAA	//													.19	.01			.01						.01		.2
MANDAN EXP STATION							.03	.04																		.0
MC GREGOR RR STATION		.01			.01				.08	.24	.08	.03	.01		.01											.4
MINOT CAA	//									.05	.18	.09		.02	.02											.2
MOTT				.48	.07																					.5
PEMBINA CAA	//										.01		.01			.02	.02	.03	.04	.01						.1
PETTIBONE												.15	.01	.01	.01											.1
RAUB	//			.29	.01			.01	.04	.07	.03	.05														.1
WAHPETON POWER PLANT										.0																.0
WILLISTON WB CITY		.01					.14	.11						.02												.2

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—12th—																									
ASHLEY	//					.08	.01	.01	.01	.02	.01	.01	.03													.18
BISMARCK WB AIRPORT						.01	.04				.06	.07	.05	.03	.01											.27
BOWMAN COURT HOUSE	//	.01		.01																						.02
BREIEN										.07	.05	.01														.13
CARSON								.02	.03	.02																.07
DAWSON						.01	.02	.04				.02	.04	.02	.02											.17
DEVILS LAKE WB CITY									.04	.04				.04	.07	.10	.06	.04	.03	.01	.02					.45
FARGO WB AIRPORT	//										.08			.03	.10											.21
FORT YATES			.01	.06		.02	.02		.01	.01	.06	.01														.20
GRAND FORKS CAA	//									.07	.06	.02			.02	.10	.08	.04	.05	.04	.01	.01				.50
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAYNES NE	6	.01	.02				.01		.01																	.05
HAZELTON R R STATION	//						.03		.02		.02	.03		.02	.01			.01								.14
HURDSFIELD							.03	.02	.03			.02	.02	.06	.02	.01		.01	.01							.23
JAMESTOWN CAA	//	.01					.05	.04	.06				.02	.04	.04				.01							.27
MANDAN EXP STATION						.03			.01	.01	.03	.04	.01													.13
OAKES									.12	.08			.02		.01			.01								.24
PEMBINA CAA	//										.07	.03				.05	.09	.06	.04	.01	.05	.02		.01		.43
PETTIBONE							.05	.07	.01	.01	.01	.01	.04	.01	.02	.02				.02	.03					.30
WAHPETON POWER PLANT										.02	.05			.05	.11	.06	.01									.30
WILLISTON WB CITY																.01										.01
—13th—																									
GRAND FORKS CAA	//																	.02								.02
PEMBINA CAA	//		.02	.01	.04	.03				.01			.01						.01	.02						.15
—16th—																									
DEVILS LAKE WB CITY																								.01		.01
HURDSFIELD																								.01	.01	.02
PETTIBONE																									.04	.04
—17th—																									
PEMBINA CAA	//	.01	.04																							.05
—18th—																									
DEVILS LAKE WB CITY							.01	.01																		.02
GRANO	//		.02		.01	.02	.02																			.07
HURDSFIELD		.02																								.02
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA	//									.03	.04	.01														.08
RAUB	//				.02	.01	.01		.03																	.07
WILLISTON WB CITY				.01																						.01
—25th—																									
WILLISTON WB CITY																				.01						.01
—26th—																									
FARGO WB AIRPORT	//					.02	.01																			.03
OAKES			.03	.02																						.05
WAHPETON POWER PLANT						.07	.01	.01		.01																.10
—30th—																									
BREIEN																				*	*	*	*	*	*	*
GLEN ULLIN																		.01	.01							.02
HURDSFIELD																								.02	.01	.03
OAKES																					.02					.02
PETTIBONE																							.01		.01	.02

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	86	91	78	76	58	62	72	76	79	82	66	46	55	67	76	88	70	62	76	66	72	72	81	88	86	66	64	68	79	76		72.8
	MIN	44	48	52	52	45	47	44	48	48	54	45	40	29	27	35	54	43	45	36	42	39	44	44	49	53	44	41	32	39	44		43.6
AMENIA	MAX	83	87	79	71	62	63	77	82	82	84	68	55	51	64	75	82	71	66	62	68	70	63	71	87	81	75	58	63	75	79		71.8
	MIN	37	44	57	50	46	47	40	43	46	59	44	44	38	32	30	43	49	48	44	41	37	43	33	41	52	49	40	27	31	37		42.4
AMIDON	MAX	84	88	74	70	64	57	69	74	84	87	71	41	59	70	79	84	68	67	78	74	70	73	82	89	81	67	66	69	79	74		73.1
	MIN	46	51	50	51	46	41	39	47	47	52	41	31	22	31	39	56	38	46	34	44	34	38	47	40	50	39	37	34	36	41		41.6
ARVILLA STATE PARK	MAX	84	84	80	65	65	66	72	83	82	84	74	56	51	63	75	73	74	67	63	68	68	62	74	89	86	71	68	64	80	77		72.3
	MIN	33	39	53	42	49	38	38	35	50	56	56	43	39	33	26	34	50	44	43	37	40	41	28	50	43	47	42	22	32	29		40.4
ASHLEY	MAX	82	86	76	76	57	54	73	76	74	75	66	47	55	66	78	80	78	61	71	68	73	67	75	85	91	71	58	65	76	73		71.1
	MIN	35	45	55	54	45	46	37	40	46	56	45	38	31	23	31	43	44	44	34	44	33	36	27	45	43	45	37	20	33	40		39.8
BEACH	MAX	71	83	82	75	72	57	63	71	79	85	88	44	41	72	55	80	74	68	65	80	64	69	75	84	89	78	65	66	70	80		71.5
	MIN	40	45	45	49	47	47	38	40	51	49	40	32	27	27	28	43	41	45	30	43	28	38	42	46	48	37	34	28	34	39		39.4
BELCOURT INDIAN RES	MAX	81	70	70	65	60	65	69	79	72	85	73	48	42	59	67	76	66	57	61	64	59	60	75	84	79	63	52	63	74	72		67.0
	MIN	37	38	44	42	44	41	34	32	35	51	45	35	34	26	25	42	39	37	39	42	30	35	29	37	42	35	34	29	29	36		36.6
BELFIELD	MAX	83	84	76	72	61	68	73	75	84	89	76	41	57	71	81	78	74	66	78	66	71	84	87	81	79	66	65	69	76	79		73.7
	MIN	40	36	49	51	43	49	37	34	45	45	38		18	19	26	50	40	43	26	42	31	34	40	46	43	39	38	36	33	36		38.0
BISBEE	MAX	82	73	72	67	60	65	68	80	79	91	73	54	47	60	69	77	70	56	62	64	62	61	76	80	85	63	52	64	75	74		68.7
	MIN	38	45	45	42	47	45	38	40	47	53	48	38	35	27	27	39	43	40	38	41	32	41	33	42	45	39	31	25	35	39		39.3
BISMARCK WB CITY	MAX	70	85	84	75	74	59	61	74	78	76	79	52	44	54	65	91	92	74	58	72	67	72	70	80	84	88	65	61	68	78		71.7
	MIN	41	41	51	50	46	49	45	44	44	44	44	40	33	26	37	48	49	39	36	44	33	42	34	51	46	46	48	43	33	46		42.4
BOTTINEAU	MAX	83	83	75	67	62	69	72	82	79	87	86	49	52	61	69	77	74	60	63	64	65	66	78	85	75	69	55	66	76	75		70.8
	MIN	32	42	43	42	45	42	34	37	41	48	48	41	38	28	29	48	33	41	38	48	33	35	37	38	41	36	31	24	32	55		38.7
BOTTINEAU STATE PARK	MAX	79	70	71	69	69	68	69	71	75	85	89	59	60	59	68	71	68	59	61	62	65	67	77	84	75	65	59	65	75	67		69.4
	MIN	39	41	45	45	42	41	40	45	48	50	45	36	34	24	27	50	41	39	40	45	40	35	34	60	55	50	39	21	49	50		41.7
BOWBELLS R R STATION	MAX	62	74	74	70	74	65	70	76	62	82	89	45	44	53	65	74	64	61	53	69	62	68	69	83	87	76	53	57	71	77		67.6
	MIN	42	49	35	38	35	38	40	38	43	43	43	37	30	27	29	33	45	40	31	32	34	38	42	46	48	41	31	28	35	38		37.6
BOWMAN COURT HOUSE	MAX	82	88	76	73	63	63	66	71	83	87	76	43	60	71	80	84	70	69	79	79	69	72	79	82	80	66	62	68	79	76		73.2
	MIN	41	47	50	50	47	46	39	43	48	50	42	39	22	33	41	53	40	47	39	40	47	47	43	44	51	42	40	40	40	51		43.4
CARRINGTON	MAX	84	83	88	79	68	62	67	72	80	78	82	61	44	50	63	73	82	73	58	65	66	66	65	75	85	62	62	55	65	76		69.6
	MIN	35	41	45	42	35	37	38	39	38	46	49	37	32	24	24	32	38	39	35	33	35	30	31	45	32	31	31	21	23	40		35.3

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CARSON 2 S W	MAX	85	90	78	74	64	60	74	78	80	85	66	47	56	70	77	90	70	65	78	67	72	72	83	88	88	70	65	70	80	77		74.
	MIN	39	45	51	51	47	44	48	41	47	53	45	32	23	28	35	53	45	45	33	38	33	37	42	46	49	41	43	28	38	47		41.
CAVALIER POWER PLANT	MAX	83	82	75	72	63	68	70	83	83	85	82	67	52	60	70	72	72	69	81	66	65	62	69	83	64	82	57	85	79	75		71.
	MIN	37	46	47	40	44	42	41	42	47	55	44	44	37	33	29	36	47	38	41	41	41	40	32	42	44	42	37	24	38	33		40.
CENTER	MAX	84	86	76	73	63	67	75	79	78	84	71	48	54	66	77	89	72	63	74	66	70	68	80	92	85	72	88	68	78	78		73.
	MIN	32	42	52	46	42	42	41	42	43	50	44	35	30	19	27	43	40	43	28	37	27	36	28	40	45	41	32	20	28	42		37.
COOPERSTOWN	MAX	82	84	78	72	61	64	70	79	79	82	70	52	48	81	72	78	74	58	60	65	65	62	73	85	80	89	54	62	75	73		88.
	MIN	36	44	54	46	41	46	40	40	41	54	50	40	36	27	33	44	43	43	39	40	34	38	29	45	50	45	34	21	32	40		40.
CROSBY	MAX	69	86	72	76	67	66	71	79	82	85	88	45	43	51	67	74	70	65	54	72	62	70	71	85	89	74	54	59	79	80		70.
	MIN	40	44	47	45	38	39	36	39	39	45	42	36	30	25	25	32	41	41	29	30	30	29	41	42	44	42	35	28		35		36.
DEVILS LAKE W B CITY	MAX	84	79	74	64	61	64	69	80	79	84	61	49	47	62	71	75	72	53	61	64	64	62	76	87	87	58	52	63	75	73		88.
	MIN	42	46	54	46	48	42	43	46	50	56	49	38	35	29	33	46	47	43	41	43	36	39	35	43	50	43	33	28	40	41		42.
DICKINSON CAA	MAX	83	85	74	74	59	60	73	73	82	85	55	42	55	70	77	77	68	65	76	65	69	72	81	88	82	65	64	88	78	75		71.
	MIN	42	48	49	50	45	46	41	42	48	51	39	26	20	28	35	48	43	39	33	40	35	40	43	44	50	39	35	32	37	42		40.
DICKINSON EXP STATION	MAX	71	84	87	76	75	58	64	74	76	84	88	62	42	56	71	79	78	70	85	78	66	70	72	84	89	81	85	85	70	78		72.
	MIN	32	40	47	46	45	46	35	36	43	47	42	33	21	24	27	37	43	45	27	33	27	36	33	41	47	38	38	22	34	42		38.
DRAKE	MAX	65	83	78	74	69	64	68	72	80	79	85	51	44	51	64	72	83	71	53	66	65	68	65	79	80	86	63	55	87	77		69.
	MIN	43	51	53	46	42	45	42	40	48	50	47	40	37	28	33	45	46	43	34	37	36	38	38	46	46	42	34	30	38	42		41.
DUNN CENTER	MAX	74	84	83	75	73	60	70	76	78	88		48	45	56	71	76	77	64	63	75	67	70	73	77	87	83	88	62	73	79		71.
	MIN	33	35	39	44	40	38	43	35	42	43		34	19	18	25	31	36	35	26	30	28	33	31	35	40	38	37	21	28	31		33.
DUNSEITH ST SANITARIUM	MAX	82	78	79	72	60	67	70	79	77	85	79		55	80	68	77	72	65	61	66	62	62	76	78	74	58	54	81	72	74		69.
	MIN	33	46	47	43	46	45	40	37	38	53	48	38	35	28	33	47	41	39	41	43	33	37	35	48	42	37	33	21	30	27		38.
ECKMAN	MAX	85	84	75	74	65	63	69	73	80	80	80	48	45	52	84	71	72	69	86	65	65	69	78	81	88	72	58	88	88	77		70.
	MIN	35	43	47	43	42	38	31	33	38	45	49	40	35	22	27	34	42	41	33	34	33	33	32	37	42	43	33	22	27	27		36.
EDGELEY EXP FARM	MAX	83	86	80	71	64	58	75	80	78	80	85	52	56	68	78	87	76	82	65	79	73	68	75	85	94	74	58	85	76	77		73.
	MIN	38	47	54	55	38	48	41	42	45	52	51	40	39	28	33	45	45	48	44	35	39	38	28	48	49	48	38	24	38	34		41.
EDMORE 1 W	MAX	82	78	75	66	62	65	71	81	80	84	68	53	48	80	70	72	72	65	60	65	65	62	73	85	88	75	54	85	76	74		89.
	MIN	35	39	37	38	46	37	36	36	37	54	50	39	35	26	25	41	43	41	39	39	35	35	28	37	48	46	37	18	32	40		37.
ELBOWOODS	MAX	85	80	76	73	62	72	78	81	64	92	77	48	54	88	73	76	88	65	72	68	71	61	84	88	79	70	81	71	79	77		73.
	MIN	29	37	42	57	32	40	33	32	39	48	40	33	27	20	23	39	40	40	35	24	22	37	32	37	42	37	32	19	28	33		34.
ELLENDALE	MAX	85	90	81	72	62	58	75	81	77	77	67	53	54	66	82	87	80	84	89	72	70	73	75	85	92	80	80	64	75	72		73.
	MIN	39	49	56	57	40	50	42	43	42	56	45	43	37	30	38	45	52	47	37	40	38	37	33	37	50	47	41	28	29	38		42.
EPPING	MAX	87	81	70	75	78	77	78	81	88	90	69	45	55	69	73	72	67	70	75	71	71	72	87	91	81	80	80	72	78	77		74.
	MIN	42	50	50	42	40	36	40	41	50	50	40	33	23	25	32	52	43	32	27	32	30	38	41	47	46	35	34	31	38	46		38.
FARGO WB AIRPORT	MAX	82	84	77	67	62	60	76	80	81	81	67	52	50	63	74	80	74	60	60	66	69	62	69	86	83	88	56	80	74	77		70.
	MIN	37	47	60	45	44	49	41	40	46	61	52	43	39	32	32	51	50	48	44	43	42	39	33	45	57	50	33	26	35	45		43.
FESSENDEN	MAX	82	80	74	70	69	67	70	76	81	79	75			65	70	72	74	76	85	85	67	68	77	85	85	85	84	85	78	74		73.
	MIN	42	50	40	44	40	39	43	48	52	60	50	41	37	29	34	39	34	38	40	43	37	36	40	48	49	43	37	28	38	36		41.
FORMAN	MAX	83	87	77		77	80	76	80	78	80	88	58	50	63	77	83	75	69	65	71	68	85	72	85	87			67	74	78		73.
	MIN	34	44	56		49	48	37	39	45	52	56	44	38	28	38	42	45	42	40	41	35	38	29	44	24			24	31	46		40.
FORT YATES	MAX	86	87	76	75	66	57	72	76	73	78	66	52	55	68	78	91	74	87	74	68	74	71	78	82	88	78	61	68	77	73		72.
	MIN													30	24	34	50	40	37	35	33	27	41	33	45	43	47	38	22	37	45		
FOXHOLM WILDLIFE REF	MAX	83	81	73	67	65	68	74	82	83	87	75	58	55	65	72	80	87	64	88	67	67	67	82	88	73	60	57	70	78	77		71.
	MIN	38	49	47	45	38	40	37	36	37	56	44	38	34	24	24	38	48	42	38	49	40	43	33	50	44	44	37	24	38	37		38.
FULLERTON	MAX	85	87	80	70	66	61	74	81	80	80	67	54	56	87	80	87	75	81	87	70	73	67	75	85	92	79	58	64	78	78		73.
	MIN	40	46	55	56	39	52	40	40	40	55	54	42	38	28	30	45	55	48	37	40	37	39	31	38	51	50	40	24	32	48		42.
GACKLE	MAX							70	75	76			77		63						65	69	67	74			88	57	83	74	74		
	MIN						38	41	42	46			38		30						38	34	38	33			44	38	23	38	42		
GARRISON	MAX	85	64	75	74	66	69	77	80	81	86	80	47	55	68	73	82	71	88	70	68	67	70	80	88	83	68	61	68				72.
	MIN	40	44	47	49	39	43	39	43	43	55	45	38	35	28	33	48	44	42	34	47	32	44	36	43	49	43	39	25	34	43		40.
GRAFTON STATE SCHOOL	MAX	84	83	76	74	61		70	83	83	83	83	80	51	61	68	74	73	72	58	87	67	82	88	83	83	82	58	83	76	78		71.
	MIN	35	43	48	42	46		38	37	44	55	56	41	37	31	28	38	50	43	41	39	37	41	32	42	45	45	38	22	37	31		40
GRAND FORKS CAA	MAX	83	82	76	65	61	64	71	81	81	84	67	51	52	61	71	76	73	57	57	66	66	60	67	85	82	65	53	61	75	77		89
	MIN	38	44	54	48	45	45	42	39	48	59	51	41	40	30	28	42	48	47	43	42	39	38	31	41	55	48	30	23	35	38		41
GRAND FORKS UNIVERSITY	MAX	81	81	75	65	62	63	73	80	80	83	87	55	52	80	67	75	73	57	57	64	67	59	66	83	81	64	53	60	75	78		88
	MIN	39	44	56	46	48	48	44	40	49	58	49	42	36	33	33	44	48	47	43	43	40	34	31	42	50	44	26	24	38	39		41
GRANVILLE	MAX	85	84	75	69	64	70	74	82	81	89	68	48	58	64	73	82	71	58	68	68	69	67	81	88	81	83	59	88	77	77		72
	MIN	38	45	48	42	39	38	35	34	40	55	44	38	34	25	29	44	45	41	31	47	35	38	34	42	49	40	33	23	38	39		38
HANKINSON R R STATION	MAX	63	83	87	78	72	51	54	74	80	82	74	80	55	59	63	75	80	76	63	63	75	68	85	88	86	84	68	58	59	73		69
	MIN	42	47	57	57	40	41	42	42	42	56	49	49	39	34	36	40	48	52	41	42	38	39	34	37	44	58	38	28	27	27		42
HANNAH	MAX	81	78	69	67	68	64	66	78	81	84	64	46	47								82	61	81	86	82	88	64	68	78	72		88
	MIN	38	46	47	39	45	44	38	38	43	45	46	40	36								29	29	38	44	42	38	39	24	36	38		38
HANSBORO	MAX	85	76	74	62	65	88	71	84	80	87	73	47	49	65	71	74	69	57	84	66	64	61	77	87	86	68	53	66	77	74		69
	MIN	40	45	45	49	45	40	45	42	46	52	45	37	35	30	27	39	43	37	39	43	33	36	32	48	46	40	33	24	28	31		38
HETTINGER	MAX	82	89	74	72	70	59	71	75	81	85	82	68	62	72	80	92	82	76	78	71	72	75	82	89	87	80	68	88	80	73		76
	MIN	35	42	54	47	45	47	34	37	48	49	44	32	21	30	33	36	44	42	29	36	29	37	34	36	34	41	34	24	29	42		37
HILLSBORO	MAX	83	83	78	73	62	67	74	80	80	83	69	55	50	62	74	77	75	60	60	66	68	61	69	86	82	71	60	62	74	77		70
	MIN	39	47	56	49	44	46	42	41	48	58	50	42	38	33	34	41	48	46	43	39	40	43	33	42	52	39	35	25	31	35		42
JAMESTOWN CAA	MAX	83	86	79	68	63	60	75	80	80	82	63	48	53	64	76	87	73	59	85	69	68	67	75	83	92	63	58	84	75	77		71
	MIN	35	45	53	42	36	48	42	36	41	56	48	38	36	27	35	41	47	41	39	40	36	39	30	46	44	43	29	23	32	39		39
JAMESTOWN STATE HOSP	MAX	89	81	78	69	63	60	73	80	78	81	65	55	54	65	76	87	74	63	65	67	69	65	75	84	94	74	57	84	76	77		71
	MIN	35	35	57	49	39	49	41	37	44	52	51	42	39	28	35	44	48	47	40	41	37	41	31	45	49	47	39	28	33	40		41
KENMARE	MAX	73	88	75	80	70	70	75	78	85	82	90	47	47	70	75	73	77	67	55	69	65	72	74	87	88	79	57	62	74	79		72
	MIN	46	43	47	43	38	43	43	40	49	55	42	37	31	31	32	34	36	41	35	38	36	38	41	53	50	42	34	32	33	36		40
KENSAL WILDLIFE REFUGE	MAX	84	85	74	61	57	63	70	70	78	78	69	48	49	48	74	78	77	61	52	68	61	84	73	72	88		55	63	63	74		67
	MIN	37	40	52	45	35	46	36	34	42	52	46	40	35	25	28	37	38	42	42	38	38	35	27	40	48	42	34	18	35	36		38
LA MOURE	MAX	85	88	90	73	63	58	75	80	79	80	68	56	53	66	79		75	72	67	70	70	60	75	84	90	82	80	84	75	79		73
	MIN	34	45	57	55	39	49	42	38	44	62	55	43	38	28	32		50	50	37	39	35	36	27	41	54	55	28	22	34	51		42
LANGDON EXP FARM	MAX	83	80	73	70	62	68	69	82	80	64	80	60	48	60	68	68	70	86	60	68	65	60	72	83	86	74	54	80	76	72		70
	MIN	34	45	45	44	44	42	39	36	44	55	50	39	35	28	28	46	41	39	42	34	34	35	29	44	45	38	37	21	31	39		38
LARIMORE	MAX	82	81	77	66	64	63	70	81	80	83	67	51	48	60	71	73	72	61	60	65	65	60	71	85	85	70		63	75	60		69
	MIN	39	49	54	47	48	45	44	43	53	56	57	43	38	33	31	42	49	45	43	41	39	42	33	48	48	54	38	25	39	39		43
LEEDS	MAX	86	80	79	71	63	68	73	84	81	87	78	50	50	58	75	78	73	65	68	66	66	88	80	90	86	68	58	83	80	74		72
	MIN	42	44	52	45	48	39	42	42	48	54	49	40	37	28	30	42	42	42	41	43	33	34	32	40	48	41	38	25	38	39		40
LINTON	MAX	89	90	80	76	65	58	75	81	75	80	66	50	55	70	81	88	68	60	78	89	75	71	81	88	92	71	83	88	78	73		73
	MIN	33	40	58	56	49	49	36	38	48	57	50	39	32	23	36	48	42	47	33	47	28	38	32	49	40	42	38	19	26	48		40
LISBON	MAX	64	85	88	81	69	67	57	76	81	80	82	67	50	56	66	83	83	77	62	68	69	70	68	73	87	82	69	58	83	75		77
	MIN	32	34	56	55	38	49	38	34	35	41	57	48	37	29	30	32	45	50	41	40	37	34	26	27	55	50	39	23	29	35		38
MANDAN EXP STATION	MAX	69	85	83	77	73	59	61	74	78	77	81	52	44	53	67	75	90	72	58	71	65	72	68	79	82	87	65	58	67	77		76
	MIN	38	45	56	51	44	48	44	46	45	54	48	39	30	25	32	47	48	49	34	42	33	45	46	44	38	25	36	43				41
MANDAN FT LINCOLN PARK	MAX	87	86	80	75	70	67	77	81	79	82	74	51	56	69	77	94	74	87	74	69	75	70	81	88	90	74	60	89	78	75		79
	MIN	39	46	55	52	43	46	42	44	45	51	48	37	31	26	31	46	44	48	37	43	33	44	32	47	45	44	38	27	33	42		44
MARMARTH	MAX	85	90	73	72	60	60	67	72	86	87	72	43	62	72	82	80	70		82	73	72		83	88	88	82	67	72	70	81	75	78
	MIN	33	45	50	53	57	47	37	48	48	47	42	33	20	26	32	37	37		29	40	42		45	35	37	37	35	24	27	40		38
MAX	MAX	67	84	83	72	68	63	70	71	81	82	86	56	46	56	61	75	81	70	55	69	63	68	67	81	86	83	60	56	67	75		76
	MIN	40	47	51	48	41	42	40	41	44	50	48	38	35	24	31	42	41	40	32	39	33	34	39	45	44	41	35	24	28	34		39
MAYVILLE	MAX	82	83	82	70	65	66	73	79	80	83	76	62	52	61	72	76	79	75	61	67	68	62	70	86	64	80	59	81	75	77		77
	MIN	39	47	57	48	44	47	44	43	48	58	60	43	38	34	33	43	51	41	44	40	39	44	32	44	51	50	44	25	38	36		44
MC CLUSKY	MAX	74	83	86	73	70	64	69	75	80	79	82	55	44	52	66	75	72	70	66	68	64	68	86	80	87	83	60	57	89	78		77
	MIN	40	49	52	49	37	47	42	45	45	54	48	40	36	27	33	50	44	38	33	43	33	43	37	42	52	39	37	28	35	44		41

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MC HENRY 5 N	MAX	81	84	77	65	62	64	70	79	78	82	66	50	48	61	71	79	71	63	60	65	65	62	73	85	89	74	52	83	75	74		89.8
	MIN	38	48	53	47	41	43	41	40	43	53	49	40	36	26	35	45	43	42	38	39	34	36	31	44	48	42	34	25	30	38		40.1
MEDORA STATE PARK	MAX				56	70			88	82	74	48		73	84	75							76	86	90	87	78	87		84	75		.
	MIN							35	42			41	34	15	24									40	39		36		18				.
MEDORA T R N M P	MAX	85	82	78	74	61	66	74	77	88	91	74	44	57	73	82	76	70	67	82	66	72	75	86	91	86	68	67	73	82	77		74.8
	MIN	29	37	44	50	48	48	33	31	45	47	43	36	13	17	25	45	47	47	25	48	22	29	30	36	36	44	28	19	25	39		35.5
MINOT CAA	MAX	85	76	74	68	63	65	74	80	83	90	61	45	54	65	71	80	69	56	66	64	69	67	82	87	76	59	57	68	80	75		70.3
	MIN	45	50	51	45	39	43	40	40	51	58	43	39	35	30	29	47	47	42	37	45	38	45	45	56	51	43	38	31	48	38		42.8
MINOT EXP FARM	MAX	85	76	74	71	63	67	74	79	80	89	80	47	53	64	71	79	70	65	72	65	69	67	80	87	78	72	57	67	75	75		71.7
	MIN	42	49	49	43	37	40	39	40	48	57	43	38	34	27	32	48	44	40	33	49	36	44	40	54	50	40	35	29	43	35		41.3
MOHALL	MAX	86	76	76	67	69	71	75	83	82	90	72	58	55	65	71	80	68	57	66	65	69	69	83	88	76	59	60	70	77	73		71.9
	MIN	37	47	46	45	45	39	32	38	41	48	44	36	33	26	27	40	29		32	38	35	38	34	40	40	38	33	27	37	35		37.2
MOTT	MAX	85	88	87	82	76	67	73	79	81	88	82	66	62	74	83	92	82	70	81	74	77	81	84	87	92	88	66	72	87	82		79.8
	MIN	31	40	55	52	47	38	35	39	37	51	44	34	22	24	30	49	43	48	29	37	27	34	32	38	42	38	30	23	33	42		37.5
MUNICH 4 SW	MAX	81	73	73	65	60	67	70	79	77	83	71	54	47	58	68	70	69	58	58	64	63	62	74	84	84	69	53	63	74	72		88.1
	MIN	39	47	48	40	45	44	37	36	42	54	52	39	35	25	28	42	40	39	39	40	34	32	31	41	40	39	38	25	29	40		38.7
NAPOLEON 2 SE	MAX	82	82	78	72	65	55	70	74	74	77	63	48	51	63	74	85	73	62	65	67	69	66	74	82	87	72	56	61	75	75		89.9
	MIN	39	46	55	54	40	47	41	42	43	56	48	38	34	26	36	44	39	36	34	40	37	40	32	45	47	40	37	23	39	41		40.8
NEW ENGLAND	MAX	85	89	78	82	74	60	73	75	83	85	79	61	59	73	81	84	72	72	78	76	74	74	84	89	83	72	67	70	80	79		78.4
	MIN	33	43	49	46	42	47	37	40	43	48	43	33	20	23	31	40	43	33	34	41	25	38	35	40	45	41	34	23	28	39		37.2
NEW SALEM 1 S	MAX	86	87	78	75	60	72	75	77	78	82	65	47	55	68	75	88	71	70	75	67	77	73	75	86	85	70	67	68	75	73		73.3
	MIN	43	50	52	48	40	41	42	44	46	47	40	35	26	31	35	42	48	42	35	42	34	42	44	44	51	45	43	31	42	38		41.4
OAKES	MAX	66	86	89	81	67	63	54	77	82	79	79	66	47	53	67	80	89	77	71	82	71	71	68	75	84	89	68	59	65	77		72.7
	MIN	35	40	50	59	41	50	41	40	41	43	58	46	38	30	32	37	50	48	37	39	37	38	29	31	44	50	40	25	26	30		40.2
PARK RIVER	MAX	84	82	75	74	64	66	70	83	82	84	82	54	52	61	70	74	73	71	60	67	66	61	71	87	89	70	57	64	77	76		71.5
	MIN	42	46	50	47	48	44	42	44	54	53	53	43	39	33	33	37	48	45	44	41	39	45	33	49	45	46	40	26	42	38		43.0
PARSHALL	MAX	85	81	75	71	66	68	76	80	82	90	75	46	54	66	71	75	68	64	70	65	69	69	80	88	76	69	59	69	76	76		71.9
	MIN	29	40	44	43	33	35	34	35	41	50	42	35	31	25	26	47	42	41	29	47	28	38	35	39	40	35	36	20	30	38		36.3
PEMBINA CAA	MAX	83	77	72	63	62	64	67	82	82	83	67	49	50	58	65	71	72	60	56	65	65	57	65	80	81	60	52	63	78	73		67.4
	MIN	33	44	46	44	46	41	41	33	41	59	49	40	39	35	30	38	50	45	44	43	42	38	31	39	51	40	32	20	28	38		40.0
PETERSBURG	MAX	81	81	76	63	63	69	71	81	80	82	68	60	47	61	71	71	71	69	59	64	64	69	74	86	88	88	63	55	76	74		70.2
	MIN	38	46	53	45	40	41	39	39	45	47	51	40	35	28	39	49	42	42	41	41	36	35	30	42	48	42	32	25	35	35		40.0
PETTIBONE	MAX	82	86	76	70	62	63	72	78	77	80		50	53	65	73	86	72	58	68	65	70	65	75	84	88	73	61	65	77	75		71.3
	MIN	35	43	55	49	40	38	40	40	45	51	50	39	36	27	40	48	44	45	32	43	32	39	34	43	48	42	37	25	35	41		40.5
PORTAL	MAX	69	85	75	74	67	67	70	78	83		91	45	44	54	68	73	75	65	53	68	62	68	68	83	88	75	52	58	71	78		89.2
	MIN	41	50	41	41	36	42	37	42	47		42	36	32	29	33	35	44	39	32	42	30	35	41	44	45	38	28	31	41	38		38.3
RICHARDTON A88KY	MAX	84	86	75	74	66	65	73	77	80	84	79	48	55	71	77	82	68	64	75	70	71	71	82	90	83	69	61	70	79	75		73.4
	MIN	41	47	52	49	42	44	39	40	45	50	43	34	23	29	39	51	42	46	34	44	34	42	39	46	52	42	39	32	38	45		41.4
RIVERDALE	MAX	69	84	83	74	71	62	67	75	78	80	84	44	44	53	65	73	83	71	56	70	65	70	68	79	85	83	63	57	67	75		69.9
	MIN	41	48	51	48	38	41	43	44	49	54	44	37	33	28	32	38	45	45	33	42	37	43	37	41	51	43	39	27	32	42		40.9
ROLLA	MAX	81	70	72	63	60	65	69	80	77	84	74	48	46	60	68	76	87	57	62	63	81	81	75	84	82	65	52	63	73	72		87.7
	MIN	40	46	50	42	46	46	43	46	44	52	47	35	35	31	32	40	42	48	40	43	34	40	36	48	48	38	33	29	38	36		40.9
RUGBY	MAX	85	82	76	72	62	70	72	81	80	88	82	51	51	63	72	80	75	66	64	65	66	65	79	87	82	70	55	87	78	75		72.0
	MIN	39	48	51	47	49	44	39	42	45	56	49	41	38	26	36	47	43	42	39	43	31	34	35	44	51	39	38	46	34	42		41.9
SANISH	MAX	70	85	81	76	73	61	69	76	80	85	92	48	41	54	83	73	75	70	55	73	85	70	71	84	90	75	81	62	70	78		70.9
	MIN	29	30	42	44	35	36	35	35	36	41	44	34	29	20	21	27	49	43	26	27	22	24	33	34	39	40	38	18		39		33.4
SHARON	MAX	80	84	77	64	64	67	73	80	76	82	69	50	50	69	88	75	70	60	82	67	63	64	73	85	89	72	57	83	74	74		70.0
	MIN	38	51	50	48	41	45	41	41	43	56	50	40	36	30	37	44	42	43	40	40	35	35	30	47	52	45	35	24	34	41		41.1
STANLEY	MAX	84	75	75	70	64	68	72	81	83	89	52	42	52	66	71	73	63	63	68	62	67	68	82	87	82	55	59	69	81	76		70.0
	MIN	37	45	43	42	33	34	35	41	34	42	36	32	28	22	28	41	41	33	28	35	27	37			41	34	29	21	32	38		34.5
STEELE	MAX	82	86	77	69	64	83	77	75	77	81	67	48	52	66	73	90	72	60	89	69	71	67	68	85	89	69	58	85	78	68		71.2
	MIN	37	45	55	49	39	46	37	39	43	45	45	36	35	25	34	46	42	44	30	32	37	33	33	35	47	41	39	21	32	44		38.9
TOWNER	MAX	85	76	75	74	69	71	74	80	82	88	66	53	55	64	73	80	72	57	66	66	69	67	80	90	82	77	89	71	78	78		72.8
	MIN	35	43	48	42	41	37	34	35	43	55	53	42	38	23	29	45	40	41	32	44	32	34	35	32	47	40	28	22	33	41		38.1
TURTLE LAKE	MAX	84	86	78		63	68	76	80					54	66	74	88	71	62	76	61	70	67	80	87	83	63	58	68	77	75		72.6
	MIN	39	41	42		32	37	42	43				38	31	26	33	47	46	42	32	43	38	40	42		51	42	36	25	32	42		38.5
UNDERWOOD 12 W	MAX	85	88	75	74	72	71	79	80	82	86	75	55	54	67	75	72	68	65	73	65	70	69	81	88	87	68	60	70	78	76		73.5
	MIN	35	35	45	40	38	47	43	37	42	55	45	38	35	33	25	51	55	44	29	30	29	39	34	38	47	44	42	20	31	41		38.9
UPHAM WILDLIFE REFUGE	MAX	90	84	77	74	65	70	74	84	81	91	69	59	57	66	74	79	74	62	68	70	70	69	83	89	82	83	58	71	79	74		73.5
	MIN	31	40	44	41	44	39	45	34	38	51		37	32	21	27	41	43	39	29	45	32	29	31	37	35	36	31	19	28	44		36.0
VALLEY CITY	MAX	82	84	82	77	63	81	72	79	78	82	76	59	51	64	69	82	71	72	82	66	67	84	74	83	89	87	60	83	75	80		72.6
	MIN	35	42	57	49	40	48	42	37	39	57	57	43	39	29	34	43	49	47	45	42	38	38	29	48	51	49	40	22	35	38		42.1
VAN HOOK	MAX	86	83	76	74	70	72	78	80	84	92	78	46	54	67	73	78	70	63	72	65	70		84	88	76	62	61	70	78	77		73.3
	MIN	35	44	46	46	38	37	37	39	44	51	43	36	31	23	29	43	48	41	29	49	28		36	43	46		39	23	34	42		38.8
VELVA	MAX	84	78	73	67	61	66	74	79	81	85	77	48	52	65	70	78	70	65	66	85	69	66	80	87	80	60	57	70	79	76		70.9
	MIN	42	47	52	46	38	41	41	38	44	59	46	40	37	28	29	43	46	44	36	44	41	43	38	50	49	44	41	25	39	33		41.4
WAHPETON STATE SCHOOL	MAX	82	85	84	76	66	60	74	80	79	78	70	67	53	62	74	78	75	67	62	73	73	67	69	86	85	83	62	81	74	76		72.7
	MIN	38	45	55	58	41	50	42	41	46	61	57	45	39	32	34	51	49	47	46	41	40	40	30	43	58	52	39	22	33	42		43.9
WASHBURN	MAX	84	85	75	72	62	65	75	78	78	81	75	48	54	66	72	88	70	65	67	70	70	88	80	86	79	67	58	85	77	75		71.8
	MIN	38	49	54	52	42	49	46	45	48	56	46	38	36	27	33	52	48	45	40	36	36	43	40	47	52	43	40	27	38	42		42.9
WATFORD CITY	MAX	86	78	78	71	67	69	77	80	87	94	64	47	55	71	79	74	69	61	78	68	71	73	88	92	78	62	64	72	80	78		73.6
	MIN	38	47	49	55	40	39	43	39	51	53	42	33	25	25	30	51	45	43	30	46	32	42	39	42		38	38	28	37	43		40.0
WESTHOPE	MAX	87	70	77	66	62	70	74	83	80	88	66	48	54	65	70	77	88	55	83	68	70	67	81	85	76	64	63	70	77	75		70.5
	MIN	39	46	49	43	49	48	36	40	44	55	42	38	35	26	31	47	42	41	32	42	33	35	37	45	46	42	34	26	33	44		39.9
WILLISTON WB CITY	MAX	85	75	76	70	66	68	74	77	86	89	61	42	54	68	75	71	68	61	77	64	70	73	83	89	78	58	60	71	78	76		71.0
	MIN	42	49	49	44	44	42	46	43	51	51	39	32	28	28	31	51	48	40	30	42	35	44	48	48	47	39	36	29	37	50		41.3
WILLOW CITY	MAX	86	76	77	72	64	72	75	82	80	88	75	49	53	64	71	79	70	80	64	88	89	68	80	86	80	63	59	68	77	75		71.5
	MIN	31	40	47	43	48	45	38	35	38	51	48	39	37	27	28	41	41	41	37	44	34	35	29	38	45	40	38	19	28	40		38.0
WILTON RR STATION	MAX	67	81	81	74	69	60	81	73	76	76	79	52	48	50	83	72	86		70	67	84	87	85	74		83	83	55	85	75		88.4
	MIN	37	50	52	51	40	45	44	46	43	50	44	45	34	26	31	39	44		35	39	38	41	38	40		42	37	27	31	36		40.1
WISHEK	MAX	85	83	85		56	74	73	78	74			43	51	66	78	81			77	70	67	72	66	75	84	89	65	57	84	77		71.6
	MIN	30	40	54		40	47	37	40	46	45		41	33	19	31	43	45		33	44	34	37	28	43	37	40	35	16	31	41		37.3

EVAPORATION AND WIND

Table 6

Station		Day of month																													Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DICKINSON EXP STATION	EVAP	.17	.18	.10	.11	.10	.07	.08	.13	.21	.20	.28	.20	.12	.11	.14	.16	.20	.24	.20	.20	.25	.21	.18	.16	.08	.15	.18	.12	.13	.16		4.82
	WIND	105	65	105	80	100	55	55	50	90	160	170	210	150	50	65	85	200	250	165	155	155	125	85	80	35	170	175	60	100	125		3475
MANDAN EXP STATION	EVAP	.21	.20	.13	.14	.19	.06	.07	.11	.15	.14	.14	.17	.11	.10	.10	.07	.26	.25	.16	.12	.23	.18	.13	.14	.11	.26	.24	.15	.12	.12		4.56
	WIND	104	69	61	56	91	48	39	33	56	134	131	176	152	83	47	11	204	212	166	79	163	78	86	51	35	163	173	80	40	67		V5641
RIVERDALE	EVAP	.40	.31	.24	.25	.23	.14	.16	.19	.20	.46	.27	.20	.07	.11	.17	.21	.37	.47	.12	.26	.20	.17	.21	.35	.16	.22	.24	.16	.19	.20		8.93
	WIND	88	104	68	57	122	67	72	69	92	252	175	180	212	84	78	101	249	366	182	176	158	101	87	98	81	176	166	67	91	128		3947

See reference notes following Station Index.

NORTH DAKOTA
SEPTEMBER 1949

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 06			7A	WTRA J BOTA	3
ALEXANDER RR STATION	0086	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J SAUKAN	3
ALMONT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 6 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 48			7P	H A SUNY	3
AMENIA	0196	CASS	11	47 00	97 13	960	SS	8S	VIRGIL L GEBSKE	2 3 5
AMIOOW	0209	SLOPE	1	48 30	103 19	2810	5P	5P	STANLEY W SALE	2 3 4 3
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 36	97 50	980	6P	6P	ALBERT THOREN	2 3 3
ASHLEY	0382	MC INTOSH	8	46 02	89 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR RR STATION	0492	MC HENRY	12	47 57	100 52			MID	C G TROMSON	3 4
BEACH	0560	GOLDEN VALLEY	7	46 55	104 01	2614	7A	7A	LUTHER F HODGIN	2 3 5
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	98 45	1880	7P	7P	TURTLE MT INDIAN AG	2 5 5
BELFIELD	0636	STARK	4	46 52	103 11	2582	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	6	47 18	101 47	1780		7P	ENIFS RIV COAL CO	3
BIGBEE	0796	TOWNER	2	48 37	99 22	1601	6P	6P	HOBERT L PETERSON	2 3 5
BISMARCK WB CITY	0614	BURLEIGH	8	46 48	100 48	1870	10A	10A	D 6 WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0616	BURLEIGH	6	46 46	100 45	1650	MID	MID	O S WEATHER BUREAU	2 5 4 5
BOTTINEAU	0641	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D 6CHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2180	6P	6P	PARK SUPT	2 5 5
BOWBELLS RE STATION	0661	BURKE	12	48 48	102 15	1956	8A	8A	CHARLES KAUFMAN	2 5 6
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O B BOOK	2 5 4 5
BREIEN	1052	MORTON	1	46 24	100 57	1720		MID	FRANK H POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1380	FOSTER	5	47 27	98 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1385	GRANT	4	48 25	101 34	2300		KID	VINCENT MUGGLI	3 4 7
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVEN6	2 3 5
CAVALIER POWER PLANT	1435	PEMBINA	8	48 48	97 38	884	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1458	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINE	2 3 5
COLGATE	1686	STEELE	10	47 14	97 39	1186		6P	O W JENSEN	3 5
COOPERSTOWN	1766	GRIGGS	11	47 28	98 07	1428	5P	5P	R J LOCKNER	2 5 5
COURTENAY	1816	STUTSMAN	5	47 13	99 34	1323		6P	G B HANAWALT	5
CROSBY	1871	DIVIDE	12	48 54	103 18	1854	7A	7A	VERNON Y NICHOLS	2 3 5
DAWSON	2016	KIDDER	6	46 52	99 45	1730		MID	LDD18 J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	D S WEATHER BUREAU	2 3 4 5
DICKINSON CAA	2183	STARK	4	48 48	102 48	2587	MID	MID	CAA	2 5 4 5 7
DICKINSON EXP STATION	2188	STARK	4	48 53	102 48	2480	7A	7A	LEROY MOONAW	2 3 5 6
DRAKE	2288	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2385	DUNN	6	47 21	102 37	2181	6A	6A	FRANK R SOMMARS	2 3 5
DUNSEITH ST 6ANITARIDM	2365	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	6 R 6HERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	88 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 5 5
ELSBERRY	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	R W CA86	2 5 5
ELLENDALE	2805	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GRER6	2 3 5
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	9 3 5
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	5
FARGO WB AIRPORT	2858	CA66	10	46 54	96 48	895	MID	MID	U 6 WEATHER BUREAU	2 3 4 5
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5
FLASHER	3008	MORTON	1	48 27	101 14	1930		8A	G6ORGE K 6INCLAIR	3
FORMAN	3117	SARGENT	10	46 06	97 38	1248	6P	6P	ART WATERMAN	2 3 5
FORT YATES	3207	6IOUX	8	46 06	100 38	1640	8S	8S	STAND RK INDIAN AGY	2 3 4 3
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	3P	U S WILDLIFE REF	2 5 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F J ALLEN	2 3 5
GACKLE	3309	LOGAN	5	46 38	88 0R	1951	6P	6P	DAVID B HAMM	2 5 5
GARRISON	3378	MC LEAN	8	47 38	101 25	1911	MID	MID	MAE B VORACHEK	2 3 4 5
GLEN ULLIN	3468	MORTON	4	46 49	101 49	2090		MID	LDD15 N GAUER	3 4
GOLVA 3 N	3558	GOLDEN VALLEY	7	46 47	103 58	2980		MID	ISADORE MARGULIES	5 4
GRAFTON STATE 6CHOOL	3584	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 5 5
GRAND FORKS CAA	3616	GRAND FORKS	10	47 58	97 05	834	MID	MID	CAA	2 3 4 5
GRAND FORKS DNIVERSITY	3521	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 3
GRANO	3678	RENVILLE	12	48 37	101 35	1625		KID	ALVIN C REINER	3 4
GRANVILLE	3686	MC HENRY	12	48 18	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 58	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3848	DUNN	5	47 21	102 20	2073		6P	JOHN MISSN	3
HANKINSON RR STATION	3808	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3826	GRIGGS	11	47 18	88 12	1428		MID	HOMER A BEWGOW	3 4
HANNAH	3936	CAVALIER	9	48 59	86 41	1568	8P	8P	A M PBIDE	2 3 5
HAWSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W E DI6HER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	96 53	1586		6P	B J REYNOLDS	3
HAYNES 8 NE	4073	ADAMS	1	46 01	102 24	2640		MID	HYRON 8 HOBB	3 4
HAZELTON RR 6TATION	4083	EMMONS	8	48 29	100 17	1878		KID	EPHRAIN ZACHER	3 4
HETTING6H	4178	ADAMS	3	48 00	102 38	2675	6P	6P	EDGAR MARTIN	2 6 5
HILLSBORO	4203	TRAILL	10	47 24	97 06	901	6P	6P	ALFRED VAENES	2 3 5 6
HURDSFIELD	4343	WELL6	5	47 27	99 55	1815		MID	MRR B RUTH BUCHWITZ	3 4
JAMESTOWN CAA	4413	STUTSMAN	5	45 55	98 41	1467	MID	MID	CAA	2 3 4 5
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1788	MID	MID	THEO K ECKBERG	2 3 5
KENSAL WILDLIFE REFUGH	4656	STUTSMAN	5	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4923	BOTTINEAU	12	48 39	100 37			KID	PAUL A KRETSCHMAR	3 4
LA MOURE	4837	LA MOURE	5	46 21	99 19	1392	7P	7P	ANDREW KEMICK	2 3 5
LANGDON EXP FARM	4956	CAVALIER	9	49 45	99 21	1815	5P	3P	V STURLADGSON	2 3 3
LARIMORE	3013	GRAND FORKS	10	47 54	97 39	1134	7P	7P	JESSE P PBILLIPS	2 3 5
LEEDS	5079	BENSON	2	48 17	99 28	1515	7P	7P	JOHN FAGEE	2 3 5
LINTON	5210	EMMOWS	9	46 19	100 14	1711	6P	6P	WM HEYERMAN	2 3 5
LI6SON	5220	HANSON	11	46 28	87 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	6P	6P	BENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	9A	ND G P FIELD STA	2 3 4 8 8
MANDAN FT LINCOLN PARK	5484	MORTON	6	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 3
MANNING	5519	DUNN	8	47 14	102 48			8P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	48 16	103 55	2714	6P	6P	S P GRANE	2 3 5 7
MAX	5539	MC LEAN	6	47 49	101 17	2083	7A	7A	SOO LINE AGENT	2 3 3
MAYVILLE	5880	TRAILL	10	47 30	97 19	975	6P	6P	B A HAGAZ	2 3 6
MC CLUSKEY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A HAWILTON	2 3 5
MC GREGOR RE 9TATION	5720	WILLIAMS	9	48 39	102 56			MID	HARTVIW B HERMANSON	3 4
MC HENRY 5 N	3730	KIDDY	11	47 39	98 35	1509	8P	8P	C E HLARKY	2 3 5
MD LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	3764	NELSON	10	47 48	98 11	1467		6P	R B KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	46 33	99 19			6P	RUDOLPH GRAF	3
MEDORA 6TATE PARK	5808	BILLING6	7	46 55	106 33	2271	5P	5P	PARK SUPT	2 3 3
MEDORA TRMP	5813	BILLING6	7	48 56	103 30	2250	5P	6P	U6 FORE5T SERV	2 3 5
MINOT CAA	5988	WARD	12	48 13	101 17	1724	MID	MID	CAA	2 3 4 5
MINOT EXP FARM	5993	WARD	12	46 10	101 16	1720	6P	6P	W C AGRI EXP 6T	2 3 5
MOFFIT RR 6TATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MORAIL	6025	RENVILLE	12	48 46	101 31	1659	8P	9P	IVER JOHNSON	2 3 5 7
MOTTPELIER	6105	STUTSMAN	8	46 42	98 35			8A	ROLF HANSON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420	8P	6P	FOREST M COFING	2 3 4 6
MUNICS 4 NW	6195	CAVALIER	2	48 38	98 53	1598	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 2 6E	6255	LOGAN	6	46 26	99 43	1955	7P	7P	GLADYS J PETERSON	2 6 3
NEW ENGLAND	8315	HETTINGER	1	46 33	102 52	2821	8A	8A	ADNA 6 SATCH	2 3 3
NEW ROCKFORD 8 NW	5355	EDDY	5	47 44	99 13	1530	6P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 6	8365	MORTON	4	46 50	101 25	2163	6P	8P	WM F GAEBE	2 3 5
OAKER	6820	DICKEY	5	46 08	98 05	1620	8A	8A	C W SAGME	2 3 4 5
OMEMEE 3 SE	6703	BOTTINEAU	12	48 39	100 20			MID	ARTHUR B VOLLMER	3 4
PARK RIVER	8857	WALSH	10	48 23	97 45	996	5P	5P	MARTIN 6TVERSON	2 3 5
PARSHALL	8987	MOUNTRAIL	6	47 57	102 06	1929	6P	6P	C E 6HUBERT	2 3 3
PEMBINA CAA	8947	PEMBINA	10	48 57	97 15	792	MID	MID	CAA	2 3 4 5
PETTIBONE	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5
PETTISBURG	7047	KIDDER	8	47 07	98 51	1860	7P	7P	L B DETHLOFF	2 5 5
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U 6 CUSTOMS SER	2 3 3
POWERS LAKE	7281	BURKE	8	48 64	102 38	2205	5P	5P	M J LEWIS	2 3 3
PRETTY ROCK	7311	GRANT	1	46 11	101 51			8P	FREDA LEER	3
RAUB	7405	MC LEAN	6	47 44	102 04			MID	ALVIN LARSON	6 4
REEDER 14 N	7452	SLOPE	1	46 19	102 57	2660		6A	CHAS M METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	7P	7P	ARSUMPTION ABBEY	2 3 5
RIVERDALE GARRISON DAM	7565	MC LEAN	8	47 30	101 24	1810	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6
ROLLA	7684	ROLETTE	9	48 32	98 37	1880	7P	7P	THEO B FAGERLUND	2 3 5
RUGBY	7704	PIERCE	12	48 22	100 00	1360	6P	6P	FRANK HORNSTEIN	2 3 5
RYDER	7749	WARD	6	47 53	101 40	2108		9A	S C SCHELLENBAUM	3
SAN16B	7634	MOUNTRAIL	6	47 59	102 32	1835	7A	7A	B J BUGGE	2 3 3
SARLES	7644	CAVALIER	9	48 57	99 00	1585		MID	CLARENCE J OLSON	3 4
SKARING	7944	MC KENZIE	13	47 34	103 48			MID	GLENN 6 MC RAE	3 4
SKLFRIDGE 11 W	7852	8IOUX	8	48 01	101 10	2183		7P	L R WILSON	3
6HARON	7886	STEELE	10	47 36	97 54	1516	8P	8P	HUGH LYON	2 3 5
6HERWOOD	8047	RENVILLE	12	49 00	101 38	1647		6P	D 6 CUSTOMS SERV	3
STANLEY	6276	MOUNTRAIL	6	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5
STEELE	8388	KIDDER	8	46 51	99 55	1957	8P	6P	LEON Y LESHER	2 3 3
STRASBURG	8627	MOUNTRAIL	12	46 20	101 58	2179		6P	G6ORGE R PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		8P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST H KIEKER	2 3 3
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	6	47 31	100 53	1899	8P	8P	A 6 HAAS	2 3 6
TUTTLE 8 SW	8650	KIDDER	8	47 02	100 04	1836		8P	ADAM LANG	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W WATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 6
VALLEY CITY	8937	BARNES	11	46 55	88 00	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAR HOOK	8970	MOUNTRAIL	6	47 57	102 21	1864	9P	9P	KENIN A VENTSCH	2 3 5
VELVA	8890	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5
VERONA	8035	LA MOURE	5	46 22	98 04			10A	LDO16 J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	86 36	962		KID	NEWTON D JONES	3 4
WAHPETON 8TATE SCHOOL	9100	RICHLAND	10	46 18	98 36	882	5P	5P	8T SCH OF SCIENCE	2 3 5
WALHALLA	9155	PEMBINA	9	48 56	97 55	956		7P	PETER PAUL08	5
WARREBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	6	47 46	105 17	2084	8P	8P	J C ZELLER	2 3 6
WE6TH6PE	9333	BOTTINEAU	12	48 55	101 01	1508	8P	8P	REV E CAREY	2 3 6
WILDROSE	9400	WILLIAMS	8	48 36	103 10	2258		6P	JONATHAN WINEJER	3
WILLISTON WB CITY	9425	WILLIAMS	6	48 09	103 35	1677	MID	KID	D 6 WEATHER BUREAU	2 3 4 6 7
WILLOW CITY	9445	BOTTINEAU	12	48 36	100 17	1471	8P	8P	D M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	6	47 08	100 48	2159	SA	SA	SOO LINE AGENT	2 3 5
WI6HEK	9516	MC INTO5B	9	46 16	98 34	2010	SA	SA	R K LARSON	2 3 3

‡ DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Cheyenne; 12 Sourie; 13 Yellowstone

See Table 7 following Table 2.
See reference notes following Table 3.

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Nat. Hist.

JUN 20 1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

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OCTOBER 1949

Volume LVIII No. 10

CHICAGO: 1949

NAT. HIST.

NORTH DAKOTA - OCTOBER 1949

F. J. Bavendick, Section Director - Bismarck

GENERAL SUMMARY

The October temperatures averaged near or slightly above the seasonal normal in the eastern and southern parts of the State and averaged below the seasonal normal in the other sections. Due to above average cloudiness the range between the high and low temperatures was not as great as in most Octobers. No extreme records were reached.

The precipitation was more than twice the normal amount and was the greatest October precipitation since statewide records began in 1892. The precipitation was fairly well distributed throughout the state and throughout the month but with the greatest amounts near the 10th and the 20th of the month.The least amount fell in the western part of the State where more moisture would be beneficial. This generous precipitation greatly replenished the supply of top soil moisture but it is still dry in the west and particularly in the southwest.

The October weather was exceptionally favorable for harvesting operations and for completing other fall work. Livestock were in fair to good condition but range and pasture feed supply was rather poor.

Slightly more than the usual amount of high winds occurred. On October fifth winds blew down trees, damaged some late crops, and damaged buildings in Eddy, Foster, Barnes and surrounding counties.On the tenth damage to standing corn and farm buildings occurred in Barnes, Richland and surrounding counties; buildings were also damaged in Wahpeton.

TEMPERATURE

The mean temperature for the state was 43.5°, which is 0.7° below normal for the month. The monthly mean temperatures ranged from 49.3° at Wahpeton to 38.8° at Belcourt. The highest temperature recorded in the state was 91° at Fort Yates, on the 5th, and the lowest 8° at Belcourt on the 24th and 26th and at Hansboro on the 24th.

PRECIPITATION

The average precipitation for the state was 2.55 inches,which is 1.52 inches above normal for October.The total amounts recorded at various stations ranged from 6.02 inches at Cavalier to 0.43 inch at Grenora.The heaviest rainfall reported in any one day was 3.90 inches at Foxholm on the 29th. The monthly average of snowfall was 1.4 inches which is normal for October. The greatest monthly amount was 9.5 inches at Crosby the least a trace at several stations. The greatest depth on the ground was 10 inches at Crosby on the 19th.

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this hulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwids net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works hy the Corps of Engineers. This Network, now numhering ahout 2,000 recording, and 1,000 non-recording rain gages, has heen maintained hy the Weather Bureau through working funds transferred annually to the Weather Bureau hy the Corps of Engineers. These transfers averagsd ahout $250,000 per year hetween 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred ahout $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred ahout $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this hulletin Series, data from Hydroclimatic Network Stations were presented in hulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing ths entire United States, But since the Network was established to meet the internal requirements of the Federal Agencies referrsd to ahove, no provision was made for puhlic dissemination of the data, distrihution heing limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are availahle for inspection may he ohtainsd upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records puhlished in this hulletin have heen made availahle through the cooperation of various puhlic offices, private agencies, and individuals as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile					Trace	.01–.09	.10–.49	.50–.99	1.00–1.99	2.00 and over	Total			
BISMARCK AIRPORT	W	11	12.6	47	NW	29	81	85	60	66	6	6	6	1	0	0	2.06	50	6.7	646
DEVILS LAKE			11.1	34	W	29					4	5	6	1	1	0	3.94	50	6.4	701
FARGO AIRPORT	SSE	14	16.0	52	W	10	77	80	60	63	9	4	3	1	1	0	2.76	43	6.7	592
WILLISTON			9.0	37	W	29					8	3	3	1	0	0	1.33	59	8.2	682

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	47.2	95	7	0.58	T	3
1893	40.6	79	0	1.05	0.9	5
1894	43.0	77	16	1.66	0	6
1895	40.5	85	-12	0.24	0	2
1896	40.2	88	5	0.69	0	3
1897	45.9	93	6	0.77	0.8	4
1898	38.8	84	8	2.23	4.7	6
1899	42.1	86	7	1.17	1.3	5
1900	48.2	87	14	1.54	T	6
1901	47.5	88	11	1.61	T	5
1902	43.7	87	10	1.28	0.7	4
1803	47.0	81	11	0.94	0.2	3
1904	46.6	87	10	0.90	T	5
1905	40.3	93	0	0.36	1.2	5
1906	45.0	89	0	0.49	1.4	4
1907	44.4	88	4	0.61	0.2	3
1908	43.0	86	8	1.63	0.7	6
1909	43.1	97	0	0.65	0.9	3
1910	48.2	95	0	0.51	0.1	3
1811	42.5	86	-10	1.24	0.5	6
1912	44.4	90	0	1.07	3.5	4
1913	38.3	90	- 2	1.59	0.7	4
1914	50.0	97	0	0.93	T	4
1915	46.6	87	10	1.09	0.2	4
1916	40.0	85	- 2	0.70	2.0	4
1917	34.7	82	- 4	0.78	6.4	5
1918	46.2	90	4	0.53	0.8	4
1919	33.5	84	-18	1.14	9.3	6
1920	49.3	95	6	0.55	0.1	3
1921	47.3	88	16	0.66	T	4
1922	45.7	98	8	0.58	2.3	3
1923	44.0	84	- 8	0.89	0.5	4
1924	50.3	86	19	2.42	0.3	7
1925	33.3	66	-16	0.81	3.7	6
1926	42.6	85	4	1.36	1.0	6
1927	47.0	88	12	1.33	1.0	5
1928	43.5	85	3	0.46	0.6	2
1929	46.8	88	10	1.85	5.1	6
1930	40.8	86	0	1.81	0.3	7
1931	47.7	90	10	1.39	0.2	6
1932	38.3	90	- 3	2.27	9.1	8
1933	41.5	88	5	0.54	1.7	4
1934	49.0	94	5	1.01	0.1	3
1935	43.5	86	-10	0.16	0.7	2
1936	42.3	90	- 5	0.21	1.1	3
1937	43.9	94	1	0.80	0.2	4
1938	50.9	95	4	0.55	1.1	4
1939	41.3	84	- 6	0.75	1.2	7
1940	50.7	89	18	1.56	T	6
1941	44.5	81	0	1.32	2.0	5
1942	46.5	90	- 3	0.46	1.8	4
1943	48.2	89	10	0.76	2.8	3
1944	48.7	84	11	0.12	T	1
1945	45.1	89	6	0.37	T	3
1946	40.1	91	2	2.23	8.5	8
1947	51.2	97	15	1.31	0.9	7
1948	46.4	85	- 1	0.97	T	3
1949	43.5	91	8	2.55	1.4	9
PERIOD	44.2	98	-18	1.03	1.4	

CLIMATOLOGICAL DATA

Table 2

Station	Temperature								Precipitation								
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
AMENIA	47.2		85	5	18	31		14	3.33		1.85	10	*			8	3	1
ARVILLA STATE PARK	45.4		84	5	13	31		15	3.77		2.71	10				9	3	1
CARRINGTON	42.7M	-1.0	82	6	14	31			4.17	3.14	1.62	19		*	19+	8	5	1
CAVALIER POWER PLANT	43.8M	0.8	75	1+	15	24+			6.02	4.73	3.16	10	*	*	20+	14	5	1
COOPERSTOWN	44.5	-0.2	84	5	16	31		16	3.60	2.52	2.03	10				6	3	1
DEVILS LAKE WB CITY	42.4	0.0	85	5	20	26		15	3.94	2.69	1.76	10	1.1	1	21	13	3	1
EDGELEY EXP FARM	45.9M	0.3	85	5	14	31		14	2.11	1.09	1.56	10				8	2	1
EDMORE 1 W	41.5	-1.0	82	5	16	9+		19	4.30	3.32	2.17	10				11		
ELLENDALE	46.9M	1.0	83	5				15	2.95	1.89	2.32	10				9	1	1
FARGO WB AIRPORT	45.9	1.5	79	5	17	31		12	2.76	1.07	1.19	10	*	*	21+	9	4	1
FORMAN	47.4	1.4	82	5	16	31		12	2.89	1.54	1.49	10	0.4			8	4	1
FULLERTON	47.5	2.2	84	5	16	31		13	2.80	1.47	1.87	10	0.5	*	21	8	2	1
GRAFTON STATE SCHOOL	43.7M	-0.1	77	5+	16	31		19	5.29	4.15	3.40	10				13	4	1
GRAND FORKS CAA	44.0	0.3	78	5	18	30		14	2.30	.94	1.36	10	0.5	*	21+	13	1	1
GRAND FORKS UNIVERSITY	43.7	0.0	77	5	18	31		15	3.08	1.72	1.68	10	0.8	*	21+	13	3	1
HANKINSON RR STATION	47.1M	0.5	81	7	18	31		13	1.76	.39	.86	10				6	3	
HANNAH	41.5	0.7	80	5	12	24		18	4.32	3.25	1.20	10	3.0	1	20+	10		2
HILLSBORO	46.0	0.8	81	5	16	31		14	3.09	1.75	1.60	10	*	*	21	12	2	1
JAMESTOWN CAA	44.1	-0.6	86	5	16	30+		15	2.91	1.62	1.45	10	0.7	*	21+	12	4	1
JAMESTOWN STATE HOSP	45.9	1.2	85	5	17	31		14	2.63	1.34	1.55	10	*	*	20	7	3	1
KENSAL WILDLIFE REFUGE	41.7M		83	5	14	30			4.73					*	21+	7		
LA MOURE	47.3		83	5	16	31		14	1.84		1.30	10				7	2	1
LANGDON EXP FARM	40.5M	-0.4	78	6	12	31		21	4.95	3.92	2.34	10	2.9	1	22+	13	3	2
LARIMORE	44.5	0.4	81	5	18	31		12	3.50	2.06	2.17	10	0.5	*	19+	8	3	1
LISBON	45.6	0.9	83	6	19	31		18	3.28	2.04	1.75	10				7	3	1
MAYVILLE	47.0	1.0	82	5	19	31		12	2.74	1.48	1.67	10	0.1	*	21+	10	2	1
MC HENRY 5 N	42.8	0.5	83	5	17	31		18	4.40	3.35	2.21	10	*	*	21+	12	5	1
MC LEOD 3 E	47.4M	0.9	82	5	14	31		13	3.07	1.69	1.00	10	0.5			9	4	1
MONTPELIER	44.4		84	6	12	31		14	2.93		1.45	10		*	20+	8	4	1
MUNICH 4 SW	40.5		74	6	15	26		21	3.92		1.41	10	1.5	1	21+	9	4	2
OAKES	45.6M	-0.4	83	5+	17	26+		19	1.93	.62	.97	10				6	3	
PARK RIVER	45.1	1.4	81	5	20	24+		14	5.12	3.94	3.59	10				8	4	1
PEMBINA CAA	40.6	-1.0	73	1	13	26		19	5.86	4.66	3.03	10	1.3	1	24	12	5	1
PETERSBURG	43.2		80	5	18	26+		15	3.90	2.73	2.56	10	0.5	*	21	8	3	1
SHARON	43.6	0.0	81	5	17	31		13	3.87	2.58	2.02	10	1.0	1	21	10	3	1
VALLEY CITY	47.1	2.0	82	5	18	31		13	2.78	1.46	1.53	10				11	2	1
WAHPETON STATE SCHOOL	49.3	2.3	80	5	16	31		11	2.07	.63	1.07	10	*			9	3	1
DIVISION	44.7	0.5							3.48	2.20			0.4					
MIDDLE DIVISION																		
ASHLEY	45.7M	1.3	86	5	16	31		16	3.63	2.57	2.71	10	*			5	2	1
BELCOURT INDIAN RES	38.8		83	5	8	24+		22	2.15		.84	10	0.7	1	21	8	3	
BISMARCK	40.6M	-3.2	85	5	16	26		21	2.59	1.60	1.19	10		1	21	8	2	1
BISMARCK WB CITY	46.5M	1.3	89	6	21	26		14	2.16	1.25	.87	10	0.7			11	2	
BISMARCK WB AIRPORT	44.4	0.8	90	5	19	26	1	16	2.06	1.12	.71	10	0.6	*	19	13	2	
BOTTINEAU	40.9	-0.5	83	5	12	26		22	2.27	1.30	.72	18	1.0	*	19	11	4	
BOTTINEAU STATE PARK	43.0M		80	5	15	26		20	1.96		.70	29		1	11	8	4	
BUTTE	44.2M	-0.6	82	5+	20	31		14	2.36	1.39	.79	10				9	4	
CARSON 2 SW	44.2	-0.3	89	5	22	21+		16						2	21	10		
CENTER	43.1M	-2.2	87	5	15	26			1.76	.85	.55	7				6	4	
DRAKE	43.1	0.0	86	6	18	30		15	2.91	1.87	.98	19	1.7			8	5	
DUNSEITH ST SANITARIUM	41.6	0.0	83	5+	12	26+		20	1.98	1.12	.58	10	*	*	19	8	3	
ECKMAN	40.6	-1.6	82	6	13	26		24	1.29	.45	.39	11	3.5	2	21	7	3	
FESSENDEN	44.8M	1.5	86	5	20	26+			3.41	2.35	1.53	9	3.3	1	21+	8	3	1
FORT YATES	46.9M	0.2	91	5	22	31	1	14	3.95	2.96	2.53	10				8	4	1
FOXHOLM WILDLIFE REF	43.9M	1.0	82	5	12	26		17	4.74	3.86	3.90	29	3.3	2	20	6	2	1
GARRISON	42.4	-0.8	84	6	20	24		20	1.41	.55	.31	8	3.0	1	30	11	2	
GRANVILLE	43.3M	-0.3	86	5	15	26		17	1.10	.26	.33	10	0.8	*	20+	7	1	
HANSBORO	40.9M	-0.4	84	5	8	24		20	1.59	.55	.80	10	4.0	3	21	9	1	
LEEDS	43.7		87	5	19	26		14	2.85		1.12	10	3.3			11	3	1
LINTON	45.9	0.4	90	5	15	26	1	18	3.45	2.41				1	20	8		
MANDAN EXP STATION	44.6	-0.1	89	6	19	26		15	2.18	1.28	.57	10	0.7			10	3	
MANDAN FT LINCOLN PARK	46.1		90	5	22	26	1	14	2.03		.69	10	0.4	*	20+	12	2	
MAX	41.9M	-1.0	83	6	16	26		19	1.58	.78	.23	30				9		
MC CLUSKY	42.8	-0.6	87	6	19	26		15	3.51	2.52	.85	10		1	21	10	5	
MINOT CAA	42.9	-0.9	84	5	19	26		16	.77	- .14	.35	18	2.3	1	21+	7	1	
MINOT EXP FARM	42.9		83	5	17	30		17	.65		.22	18	2.0	I	20+	8		
MOHALL	41.4	-0.8	80	5	16	25+		21	1.61	.57	.63	18		*	20+	8	3	
NAPOLEON 2 SE	44.2	0.1	86	5	14	31		15	4.35	3.26	2.20	10	0.8	1	20	11	4	1
NEW SALEM 1 S	44.7M	-0.4	88	5	22	21		18	1.61	.76	.46	8	1.6			10	3	
PETTIBONE	44.0	1.4	88	5	15	31		17	4.45	3.46	2.35	10		1	21+	10	3	1
RIVERDALE	42.7		85	6	20	26		14	1.25		.41	8				8	1	
ROLLA	40.0	-2.5	81	8	13	24		19	2.15	1.18	.85	10	3.7	3	21	12	3	
RUGBY	43.8		86	5	17	26		16	2.86	1.97	.90	10	4.3			7	4	
STEELE	43.4M	-0.7	89	5	14	26+		20	4.97	3.85				2	21	12		
TOWNER	42.2	-1.3	85	5	12	26		20	2.20	1.31	.45	20				7	5	
TURTLE LAKE	45.3M	1.2	86	5					1.46	.62	.50	7				5	3	
UNDERWOOD 12 W	43.4M	-1.6	84	5	16	26		18	1.44	.61	.40	8				6	3	
UPHAM WILDLIFE REFUGE	43.2M		85	5	12	26			1.77		.40	29	2.0			7	3	
VELVA	44.3	0.0	85	5	18	26		14	1.07	.12			1.5	1	21	10	1	
WASHBURN	45.3	0.3	87	5	20	26		12	2.07	1.15	.50	10	0.3			9	3	
WESTHOPE	41.5	-1.1	82	5	15	26		22	1.56	.76				1	29	7		
WILLOW CITY	42.1	0.6	85	5	16	9+		23	2.00	1.21	.68	29		*	20+	9	2	
WILTON RR STATION	40.3M	-4.6	86	6	16	26			2.46	1.51	.71	8	1.2	1	21+	11	4	
WISHEK	43.4M	-0.6	85	6	13	31			3.50	3.50	1.54	10				10	4	1
DIVISION	43.2	-0.4							2.34	1.36								

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature						No. of days		Precipitation				Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 5W	44.9		87	5	22	21		13	2.15		.54	8	2.8	2	20+	10	3	
AMIDON	43.2	-1.8	85	5	17	21		18	2.44	1.47	.98	1		5	20	11	4	
BEACH	42.2	-2.3	76	5	18	21		17	1.83	.93	.84	1	6.0	4	21	9	2	
BELFIELD	42.1	-3.6	84	5	18	21		20	2.32	1.35	.74	1		4	20+	6	4	
BOWBELLS RR STATION	40.4M	-1.4	75	6+	13	20			2.11	1.26	.56	18+		*	19+	7	4	
BOWMAN COURT HOUSE	44.4	-0.4	86	5	17	21		10	2.30	1.42	1.08	1		8	20	8	4	1
CROSBY	39.5	-2.7	75	16	10	20+		25	1.58	.75	.54	18	9.5	10	19	5	3	
DICKINSON CAA	42.5	-1.3	85	5	20	21		18	1.58	.67	.56	7	2.4	2	20+	8	2	
DICKINSON EXP STATION	42.4M	-1.4	88	6	19	26		19	1.75	.84	.66	8	3.5	3	21	8	3	
DUNN CENTER	41.5M	-0.6	86	6	18	26		22	1.75	.92	.43	8	1.5			7	3	
ELBOWOODS	42.1	-2.7	86	5	13	26		23	1.40	.60	.40	8	2.0	1	20+	8		
EPPING	41.9	-0.2	76	15	20	20+		23	1.00	.23	.70	18				4	1	
GRENORA	40.3	-1.8	74	4	15	20		20	.43	- .36	.33	18+	2.0	2	18+	3	1	
HETTINGER EXP FARM	45.1	-1.0	90	5	17	21	1	17	2.27	1.56						6		
MARMARTH	42.8M	-3.2	83	5	20	21			2.34	1.55	.94	1	8.0			6	4	
MEDORA T R N M P	44.1		83	5	18	26		18	2.11		.93	1	4.5	5	20	9	3	
NEW ENGLAND	45.2M	1.1	90	5	19	21	1	17	2.22	1.43	.64	21	5.2	4	21	7	4	
PARSHALL	42.8	-1.6	81	5	12	26		18	1.17	.42	.47	1		1	21	10	1	
PORTAL	38.9M	-2.6	75	16	10	20		24	2.36	1.52	.87	18	9.0	8	19+	7	4	
RICHARDTON ABBEY	44.4	-0.2	86	5	20	21		15	1.63	.84	.50	1	2.6	2	20+	8	2	
SANISH	40.3	-3.9	79	6	13	26		24	1.86	1.09	.58	19		2	21	9	2	
VAN HOOK	42.9		82	5	17	26		16	1.12		.47	1	1.2	1	20	9	1	
WATFORD CITY	43.5	-0.7	77	5	20	26		15	2.08	1.21	.70	1	2.1	2	21	10	2	
WILLISTON WB CITY	43.0	-0.4	77	15	22	20		16	1.33	.47	.76	18	0.6	*	18+	7	1	
DIVISION	42.5	-1.6							1.80	0.96								
STATE	43.5	-0.7							2.55	1.52			1.4					

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbere within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Statione appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in thie issue.

Unless otherwise indicated, dimensional units used in this hulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Ae of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Tracee are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

- \- No record.
- \+ And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Precipitation measured at 6-hourly intervals, no recording gage.
- B Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- S Storage precipitation etation. Precipitation measurements, made at irregular intervale, will be published in the June iseue of this publication.
- T Trace, an amount too emall to meaeure.
- V Includee total for previous month.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.

Suhscription Price: 15 cents per copy, Monthly and Annual; $1.50 per year. (Yearly suhecription includes the Annual Summary). Checke, postal notee and money ordere should be made payable to the Treaeurer of the United Statee. Remittancee and correspondence regarding subscriptione should he eent to the Weather Records Proceeeing Center, 1300 U.S. Court Houee, Chicago 4, Illinois.

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
AOAMS 7 S	.14		.10							1.53	2.12								.93					.06							4.88
ALEXANDER RR STATION	.16						.04	.05		.07	.07						.08	1.04	.02	.05	.15							.10			1.81
ALMONT 7 SW	.48		.10		T		.23	.54		.22	T							.05	.24	.27	.01								.01		2.15
ALPHA 1 S	.72		.09				.24	.40			.07	*					T	.03	.10	.47	T								T		2.12
AMENIA	.01		.19							1.85								.19	.64	.03	.28			T					.15		3.33
AMIOON 2	.98	.02					.32	.41		.02	.03		T				.02	.12	T	.37	.14								.01		2.44
ARVILLA 5TATE PARK	.06		.11				.14			2 71								.37	.32	.02	.03			.01							3.77
ASHLEY 2						.1B				2.71								.57	.07	T		.10									3.63
BALDHILL DAM			.11	.01		.02				1.42	.50	.01						T	.25	T	.25	.08		T					.25		2.80
BEACH	.B4		.06				.18	.23		.04	T						T	.12	.02	.25	.09										1.B3
BELCOURT 1NDIAN RES	.17					.45				.84	.13							.05	.13	T	.13	T	T					.25			2.15
BELFIELD	.74		.12				.40	.33			.13	T	T				T	T		.60	T										2.32
BEULAB	.33				.02		.23	.25										.1B	19	.24	T							.02			1.46
BISBEE	.12					.07				1.19	.21							.10	.55		.22		T	T				.13			2.59
BISMARCK WB C1TY	.13	.11	.24		.06			.46		.87									.11	.02	.09	.01								.08		2.16
BISMARCK WB AIRPORT 2	.15	.03	.26		.12		.29	.06	.16	.71	T						T	.10	.01	.09	.01		T	T				T	.07	T		2.08
BOTTINEAU	.14	.01				.02				.25	.37							.72	.07		.11	.04	T	T					.47	.07		2.27
BOTTINEAU STATE PARK	.05				T					.25	.40							.01	.40				.05						.70	.10		1.96
BOWBELL5 RR STATION	.08	.35									.13							.56	.56		T			T					.35	.08		2.11
BOWMAN COURT HOUSE 2	1.08						.33	.40			.02							.0B	*	.37	.02								T			2.30
BREIEN R	.26	.04			.13		.21	.07	.18	.58								.10			.13										2.77 V
BUTTE	.25				.01		.12			.7B								.68	T	.04	.10		T					.32	.04		2.38
CARRINGTON	T		.11					.33		.79	.B2	T							1.62	.20	.26	T		.04							4.17
CARSON R	.43	.26	.03				.58	.07		.22								.14		.20	.04						.01	.03			2.01
CARSON 2 S W	.43		-		.05		.36	.40		.26								.20	.02	.25	.03										-
CAVALIER POWER PLANT	.07	.20	.17			T				3.16	.28	.06						.36	.99	.03	.46	.10		T	.06			.06	.02		6.02
CENTER	.30						.55		.40	T								.05	.20	.26	T							T			1.78
COLGATE										1.57								.15	.32	.03	.35								.29		2.71
COOPERSTOWN	.12		.10							2.03								.17	.90		.28						T				3.80
COURTENAY			.11							2.07							T	.55	.14	.20	.10		T	T				.03			3.20
CROSBY											.16							.54	.52	T			T					.33	.03		1.59
DAWSON R	.03		.20		.02		.24	.03	.78	1.77								1.45	.18									.03	.05		4.78
DEVILS LAKE WB C1TY 2	.12		.05		T		.14	.01	.48	1.76	.07							.7B	.20	.20	.05	T	.01	T				.17	T		3.94
D1CKINSON CAA 2	.51	T	T				.56	.11		.04								.09	.02	.21	.04						T		T		1.58
D1CKINSON EXP 5TATION	.31	.40	.03		T			.66	T		.05							T	.09	.01	.20	T						T	T		1.75
DRAKE	.03	.60			T			.14		.46	.30								.98		.15								.25		2.91
DUNN CENTER	.38	.19	.07					.43			.08								.40	T	.20								T		1.75
DUNSEITH ST SANITARIUM	.33					.21				.58	.20							.10	.26		.15	T	T	T				.15			1.98
ECKMAN		.05									.39							.15	.25		.25	T						.07	.13		1.29
EDGELEY EXP FARM 2			.05			.02				1.56								.26	.04	.06	.06	T	T						.05		2.11
EDMORE 1 W	.06	.15					T	.05	T	2.17	.24							*	1.11	*	.44		.02	T	T				.08		4.30
ELBOWOODS	.38						.22	.40										*	.31	.03	.04							.02			1.40
ELLENDALE	.03	T	.01			.01	T		T	2.32	T						T	.18	.20	.16	.02								.02		2.95
EPPING										*	.10							.70			T							.20			1.00
FARGO WB AIRPORT 2	T		.13			T	T	T	.07	1.19	T						T	54	.29	.44	.01	.01	T	T				.08	T		2.76
FESSENDEN	.16	.06						.35	1.53	.11									.87		.22							.11			3.41
FLASHER	.52	.04	.29					.48		.46									.30	.03	.25										2.37
FORMAN	.09	.29					T			1.49								.32	.17	.36	.13	T	T						.04		2.89
FORT YATES 2	.30	.02				.03	T	.23		2.53								T	.25	.52	T								.07		3.95
FOXHOLM WILOLIFE REF	.14	.03									.08							.48		.10								3.80			4.74
FULLERTON	.07		T				T	T	.10	1.87	T							.26	.10	.20	.09		T					.11			2.80
GACKLE			.09			.01				1.37								.46	.37	.24	.01		T						-		-
GARRISON 2	.18	.26	.04			.01		.31		.15	.10								.21		.10	T						.02	.03		1.41
GLEN ULLIN R	.41						.33	.13										.64			.12										1.83
GOLVA 3 N R	.70	.04					.12	.11		.05							-	-	-	-	-	.08										-
GRAFTON STATE SCBOOL	.15	.16	.03							3.40	.11	.01						.36	.37	.03	.52	.05	T	.04					.06		5.29
GRAND FORKS CAA 2	.04		.02			T	.01	T	.20	1.36	.07						T	.10	.16	.23	.04	.02	T	.02				.03	T	T	2.30
GRAND FORKS UNIVERSITY	.07		.07	T		T	T	.02		1.68	.19							.15	.38	.03	.42	.01	.01	.02				.03	T	T	3.08
GRANO R//	.25									.18	.01						.04	.37		.17	.03						*	.30			1.35
GRANVILLE	T				T					.33	.15							.08	.10	T	.15		T					.15	.14		1.10
GRENORA																		.33	.05						.05						.43
HALLIDAY	.39						.19	.30			.36							.06	.24	.11	.04							.03			1.72
HANKINSON RR STATION				.35				.20		.83								.07	.29	.02											1.76
HANNAFORD R									.14	1.89								.37	.30	.26	.04										3.00
HANNAH	.12	.11								1.20	.06								1.18	*	1.00		.10	.07	T			.4B			4.32
HANSBORO	.05					.05				.B0	.12							.11	.15	T	.08		.04	T				.19	T		1.59
HARVEY WATER WORKS	.30		.13			.42				1.23								.25	.40	.14	.04							*	.03		2.94
HAYNES 6 NE	.31						1.B9	.06		.03								*	*	*	.25										2.54
HAZELTON RR STATION R//	.23		.20		.12		.10	.05	.47	1.54								.48	.30	.11	.04	.07						*	.05		3.76
HETTINGER EXP FARM 2	.71		.11				*	1.16									.06	.23													2.27
RILLSBORO	T		.13			.03	.01	.09	T	1.60								.1B	.57	.16	.22	.02	T	.05	T			T	.03		3.09
BURDSFIELD H	.15	.01	.08		.14		.3B	.04	.45	1.03								1.22	.10	.05	.04							.19			3.88
JAMESTOWN CAA 2	T		.09		.02	T	.03	T	.15	1.45	.01							.43	.31	.33	.02		.02	T	T			.05			2.91
JAMESTOWN STATE BOSP	T		.10			T	T			1.55	T							.30	.30	.16	.12		T	T				T	.10		2.63
KENMARE	.01	.33									.14							.35	.80									.35	.30		2.29
KENSAL WILDLIFE REFUGE			.19					T	*	2.36								.4B	1.35	.25	.10		T					T			4.73
KRAMER 5 SE R	.02									.58	.02							.51	.05	.07	.05							.30			1.65
LA MOURE		.02	.02			.02		T	T	1.30								.15	T	.30	T			T					.03		1.84
LANGDON EXP FARM	.13	.13								2.34	.2B							.16	1.24	.08	.22	.05	.08	.01				.19	.04		4.95
LARIMORE	.06		.05				.01	.10		2.17								.23	.30		.58										3.50
LEE05	.19		T			.02	T		.05	1.12	.13							.19	.59	.10	.28	T	.03			T		.15			2.85
LINTON	.36	.04					T	.19	*	2.04								.15	.49	.18											3.45
LISBON	.09	.05								1.75	.22								.46	.49	.22											3.28
MANDAN EXP STATION Z	.14	.21	.41			T		.41		.57									.14	.05	.16	.03							.06		2.18
MANDAN FT LINCOLN PARK	.15	.04	.22			.04	.0B	.36	.11	.69								.05	.10	.18	T							.01			2.03
MARMARTH	.94						.48	.30			.07						T	.05	T	.50	T										2.34
MAX	.15	.17	.05					.21		.15	.20								.20		.22								.23		1.58
MAYVILLE	T	.02	.19			T	T	.03		1.67								.14	.22	T	.40	.01	T	.01	T			T	.05		2.74
MC CLUSKY	.10	.65				.17		.64		.B5	.10								.60	.05	.28								.07		3.51
MC GREGOR RR STATION R	.15									.11								.07				.54					.15	.30			1.32
MC HENRY 5 N			.12				T	.27		2.21	.05							.36	.87	.03	.32	.02	.01	T				.02	.12		4.40
MC LEOD 3 E			.19					.04		1.00								.30	.90	.05	.08	.04						.47			3.07
MC VILLE			.18				.20			2.30	^	.04						.28	.65	.50		.02		.03				.04	.05		4.29
MEOINA 1 W			.23					.15		1.40								.82	.65	.38	.06								.02		3.81
MEDORA STATE PARK	1.00	.10						.72		.09					-		-	-	-										.25		-
MEOORA T R N M P	.93	.08					.28	.37		.11							.04	.07	.05	.18									T		2.11
MINOT CAA 2	.07						T			.14	T						T	.35	.01	.05	.04	T	T	T			T	.11	T		.77
MINOT EXP FARM	.12	T					T			.01	.08							.22	.07	.04	.05							.05			.65
MOFFIT RR STATION 2	.19	.06	T			.53		.20		1.70	.75								.62	.20								T			4.25
MOHALL	.25									.23							.08	.63	.03	.02		T					.06	.31			1.61
MONTPELIER	T	T	.15			T		T		1.45	.27								.41	.32	.20	T		.02					.11		2.93
MOTT 2	.29						*	.88										.28	.08	.04	.03										1.60
MUNICH 4 SW	.12									1.41	.29							.10	.83	.04	1.00		.04	T				.09			3.92
NAPOLEON 2 SE	.06	.09	.07			.03	T	.12		2.20	.02							.70	.53	.50	T							T	.03		4.35
NEW ENGLAND	.49		T				.57	.28			.02							.06	T	.64	.16										2.22
NEW ROCKFORD 6 NW	.09		.12			T	T	.32		1.94	.03						T	.39	.70	.15	.10	T	T	T				T	.12		3.96
NEW SALEM 1 S	.30	T	.06		T		.15	.46	.30								T	.02	.11	.16	.03							.02			1.81
OAKES 2	.05	T				T				.97	.19								.26	.33	.13								T		1.93
OMEMEE 3 SE R	.13				.05					.B3								.25	.03		.10	.05					.03	.47			1.94
PARK RIVER	.24	.07	.07					T		3.59	.05	T						.36	.33	T		.41	T	T					T		5.12
PARSHALL	.47						.04	.05			.0B							.13	.1B	.05	.05							.08	.04		1.17
PEMBINA CAA 2	.19		T			T			.30	3.03	.16						T	B4	.52	.22	.14	.04	T	.10	T		T	.31	.01	T	5.86
PETERSBURG						.01		.17		2.56								.22	.34	.02	.54							.04			3.90
PETTIBONE R	.05		.17			.04		.22		2.35								.50	.79	.19	.05		T						.09		4.45
PORTAL	.08	.33				T					.12							.87	.60									.27	.09		2.36

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PRETTY ROCK	.40		.04				.60	.30		.60	T							.06	.14	.12	.10										2.36
RAUB R	.48	.02					.28	.02		.10								.40	.02	.03	.20								.08			1.63
REEDER 14 W	.53	.18						.77			.02							.02	.03	.12	.08								T	T		1.75
RICHARDTON ABBEY	.50		T		T	T	.22	.36			.01							.18	.10	.23	.03								T			1.63
RIVERDALE Z	.24	.01				T		.41	T	.12	.11							T	.21	T	.13	T	T	T	T				T	.02		1.25
ROLLA	.20	.01			.05					.85	.09							.12	.26	.05	.14		.10	.03					.25			2.15
RUGBY	.28				T	T				.90	.15								.31	.12	.20								.90			2.86
RYDER	.71														.21	T			.15	.15	-	-	.20							.10		-
SANISS	.01	.57						.12			.08							.12	.58		.18	T							.10	.10		1.86
SARLES R//	-	-	-	-	-	-	-	-	-	-								.88	.08	.06	.09	.15	.10						.28			-
SELFRIDGE 11 W	.22				.05	.28	.07	.18	.04	1.00	T								.05	.20	T								.05	.10		3.09
SHARON	.15		.10				T			2.02								.22	.65	.10	.40		T	.08					.05	.10		3.87
SHERWOOD	.30	.02				.08				.25	.08							.40	.28		T		T	T					.38	.02		1.79
STEELE	.12	*	.22			.22		.23	*	2.15								.50	1.00	.27	.20								T	.08		4.97
TAGOS	.25							T		T	.07							.15	.23	.06	.14			T					.23	T		1.13
TIOGA	.35										.15							*	.58										.25			1.33
TOWNER	.35					.07				.43	.30									.45		.20							.40			2.20
TROTTERS	.51		T				.39			.14		T						.88		.13	T								T	T		1.85
TURTLE LAKE	.37						.50				.06								.31		.22											1.46
TUTTLE 8 SW	.05		.20			.35	.05	.25		2.05	.21							1.05	.25	.05				T					.12			4.63
UNDERWOOD 12 W	.38				T	T		.40		.17	.09										.28								.12			1.44
UPHAM WILDLIFE REFUGE						T				.32	.34							.19	.22		.20		T	T					.40	.10		1.77
VALLEY CITY	.02		.21			.24	T			1.53	T							.17	.28	.09	.14	.05	.04	T						.03		2.78
VAN HOOK	.47						.02	.10			.08						T	.07	.19	.06	.02	T		T					.11			1.12
VELVA	.05		.03			T	T	.03		.28	.13							.06	.15	.07	.15	T	T	T					.12	T		1.07
WAHPETON POWER PLANT R			.25			.07		.15	.05	1.00								.19	.05	.45									.03			2.24
WAHPETON STATE SCHOOL			.27			.04	.01	.15		1.07								.11	.12	.02	.28		T							T		2.07
WASHBURN	.37						.15	.45		.50							.05	.15	.15	.20			T						T	.05		2.07
WATFORD CITY	.70						.17	.06		.18	.04						.05	.58	.09	.13	.08												2.08
WESTHOPE	.02				T					.10	.22							*	.54		.15			T					.53			1.56
WILDROSE											.18							.81	.19		.02								.46	.05		1.69
WILLISTON WB CITY R	T				T	T				.10							.16	.76	T	.06	.01	T	T	T	T			.03	.21			1.33
WILLOW CITY	.12				.05	.07				.56	.17							.06	.24	.05	T		T						.68			2.00
WILTON RR STATION	.11	.28	.03			.04		.71		.40	.05								.51	T	.11	.14								.08		2.46
WISHEK	.05		.01			.09		.06		1.54	.60	T						.65	.30			.08								.12		3.50

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																										
AMIDON				.18	.18	.23	.04	.02	.08	.02	.03	.07	.08	.02	.03	.01	.01									1.00
ASHLEY	//																									-
BISMARCK WB AIRPORT					.01	.04		.02	.03											.01	.02	.02				.15
BOWMAN COURT ROUSE	//	.10	.08	.13	.24	.26	.06	.01	.04	.06	.02	.03	.02													1.05
BREIEN		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.26				.26
CARSON			.01	.04	.05	.06	.17	.04	.02								.01	.03								.43
DAWSON									.01	.01							.01									.03
DEVILS LAKE WB CITY			.01														.01	.01	.08	.01						.12
DICKINSON CAA				.02	.05	.05	.08	.07	.02	.03	.02		.05	.05	.08	.01	.01									.54
FARGO WB AIRPORT	//																									-
FORT YATES			.05				.10	.15	.02	.01																.33
GLEN ULLIN					.07	.09	.17		.04							.02	.01	.01								.41
GOLVA 3 N					.17	.02	.07	.03	.11	.16	.11	.03														.70
GRAND FORKS CCAA	//	.01	.01												*	*	*	*	*	*	*	*	*	*	*	*
GRANO	//											.02			.01	.12	.05	.01	.03	.01						.25
HANNAFORD																										-
HAYNES 6 NE			.03	.06	.08	.04			.01	.01	.06	.01	.01													.31
HAZELTON R R STATION	//	*	*	*	*	*	*	*	.15									.01	.04	.02	.01					.23
HURDSFIELD												.01			.03	.01	.10									.15
JAMESTOWN CAA	//																									-
KRAMER 5 SE																	.01		.01							.02
MANDAN EXP STATION				.03	.07			.03			.07	.07		.01				.01			.04					.33
MC GREGOR RR STATION													.10	.03	.01	.01										.15
MINOT CAA	//								.03	.02											.01					.06
MOTT			.01	.04	.05	.02		.01				.01	.01	.03	.07											.23
OAKES			.03																							.03
OMEMEE 3 SE																.07	.01	.05								.13
PEMBINA CAA	//				.01	.02														.08						.11
PETTIBONE																	.02									.02
RAUB	//								.13	.07	.11	.02	.02	.01	.04	.05	.01	.02								.4
RIVERDALE		-	-	-	-	-	-	-																		-
SARLES 3 E	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—2d—																										
AMIDON		.01	.01																							.0
BISMARCK WB AIRPORT																									.03	.0
RREIEN																									.04	.0
CARSON																								.04	.22	.2
GOLVA 3 N																							.01	.03		.0
GRAND FORKS CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HURDSFIELD																									.01	.0
MANDAN EXP STATION																								.13	.12	.2
RAUB	//	.01		.01																						.0
—3d—																										
BISMARCK WB AIRPORT		.09	.12	.01	.01	.03																				.1
CARSON		.02	.01																							.0
DAWSON				.12	.03	.01	.02	.02																		.1
DEVILS LAKE WB CITY					.03	.02																				.0
FARGO WB AIRPORT	//										.13															.1
GRAND FORKS CAA	//	*	*	*	*	*	.06																			.0
HAZELTON R R STATION	//		.11	.03	.01		.05																			.0
HURDSFIELD			.01	.02	.04	.01																				.0
JAMESTOWN CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MANDAN EXP STATION		.12		.03																						.0
PETTIBONE		.01	.04	.09	.01	.01	.01																			.0
WAHPETON POWER PLANT												.07	.08	.10												.2
—5th—																										
ASHLEY	//													-	-	-	-	-	-	-	-	-	-	-	-	-
BISMARCK WB AIRPORT																			.10	.02						.0
RREIEN																			.08	.05						.1
DAWSON																							.01		.01	.0
FORT YATES																				.03	.01					.0
HAZELTON RR STATION	//																				.07	.02	.03			.1
HURDSFIELD																				.05	.04	.05				.1
OMEMEE 3 SE																						.05				.0
PETTIBONE																					.02	.01	.02			.0
—6th—																										
WAHPETON POWER PLANT										.03	.04															.7
—7th—																										
AMIDON											*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ASHLEY	//																							.01	.01	.0
BISMARCK WB AIRPORT																.02			.02	.03	.04	.01	.07	.09	.01	.9
BOWMAN COURT HOUSE	//										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
BREIEN														.01		.01	.04	.04	.04	.01	.01	.03		.01	.01	.1
CARSON												.01	.02	.04	.03	.05	.06	.06	.05	.03	.03	.07	.06	.04	.03	.8
DAWSON																				.04	.08	.03	.05	.03	.01	.4
DEVILS LAKE WB CITY																			.02	.01	.03	.02	.04	.01	.01	.4
DICKINSON CAA														*	*	*	*	*	*	*	*	*	*	*	*	*
FORT YATES																							.03	.09	.05	.7
GLEN ULLIN																	.02	.05	.04	.05	.02	.05	.03	.02	.05	.3
GOLVA 3 N										*	*	*	*	*	.05	.01	.03	.01	.02							.2
HAYNES NE										.20	.08	.12	.18	.13	.09	.11	.19	.18	.11	.02	.11	.08	.12	.11	.06	.9
HAZELTON R R STATION	//																		.01	.02	.02	.01	.02	.02		.0
HURDSFIELD																		.01	.01	.05	.04	.08	.05	.08	.06	.9
JAMESTOWN CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.12	.2
MANDAN EXP STATION															.02		.01	.02	.04	.05	.01	.03	.07	.03	.03	.3
MOTT												.09	.08	.08	.03	.09	.08	.07	.05	.04	.05	.03	.02	.01	.05	.7
PETTIBONE																				.05	.01	.04	.03	.02	.01	.1
RAUB	//																	.03	.04	.03	.03	.04	.05	.03	.03	.3
RIVERDALE								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—8th—																										
AMIDON		*	*	*	*	*	*	*	*	.62																.6
BISMARCK WB AIRPORT		.01	.02	.01	.02																					.0
BOWMAN COURT HOUSE	//	*	*	*	*	.69																				.6
RREIEN		.02	.03	.02																						.0
CARSON		.02	.02	.03																						.0
DAWSON		.01	.02																							.0
DEVILS LAKE WB CITY						.01																				.0
DICKINSON CAA		*	*	*	*	*	*	*	.69																	.6
FORT YATES		.03	.03	.02	.04	.02	.01	.01																		.1

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
GLEN ULLIN	.06	.05	.01	.01																					.13
GOLVA 3 N				.01				.01		.01	.03	.05													.11
HAYNES 6 NE	.03	.03																							.06
HAZELTON R R STATION //	.02	.01	.01	.01																					.05
HURDSFIELD	.01	.01	.02																						.04
MANDAN EXP STATION	.02	.03	.01																						.06
MOTT	.03	.03	.01																						.07
PETTIBONE	.01	.02																							.03
RAUB //	.02																								.02
WAHPETON POWER PLANT	.02	.05	.03	.05																					.15
—9th—																									
ASHLEY //																						.08	.04	.11	.23
BISMARCK WB AIRPORT																		.03	.08	.01		.04			.16
BREIEN																	.04	.03		.03	.03		.01	.04	.18
DAWSON																				.12	.45	.12	.04	.05	.78
DEVILS LAKE WB CITY																					.22	.13	.12	.01	.48
FARGO WB AIRPORT //																								.07	.07
FORT YATES																			.15	.11	.12	.03	.27	.28	.96
GRAND FORKS CAA //																							.04	.11	.15
HANNAFORD																							.05	.09	.14
HAZELTON R R STATION //																			.10	.05	.14	.04	.05	.09	.47
HURDSFIELD																			.12	.13	.03	.09	.07	.01	.45
JAMESTOWN CAA //																						.10	.03	.05	.18
MANDAN EXP STATION																	.02	.02	.01						.05
OAKES																				.04	.08	.02		.01	.15
PEMBINA CAA //																						.04	.08	.12	.24
PETTIBONE																				.21	.40	.10	.03	.06	.80
WAHPETON POWER PLANT		.03																						.02	.05
—10th—																									
AMIDON									.03								*	*	*	*	.02				.05
ASHLEY //	.11	.06	.09	.08	.08	.10	.17	.62	.01	.51	.37	.07	.05												2.32
BISMARCK WB AIRPORT		.04	.08	.04	.10	.16	.09	.01	.15	.06															.71
BOWMAN COURT HOUSE //																				.02					.02
BREIEN	.07	.03	.07	.13	.08	.04		.16	.01																.59
CARSON	.01	.04	.01	.01	.08	.05	.02																		.22
DAWSON	.08	.05	.04	.01	.11	.16	.10	.02	.35	.40	.20	.14	.07	.02	.01	.01									1.77
DEVILS LAKE WB CITY			.07	.01	.02	.16	.14	.10	.12	.21	.05	.24	.18	.18	.13	.05					.01	.03	.03	.03	1.76
DICKINSON CAA																						.02			.02
FARGO WB AIRPORT //		.03	.32		.20	.57	.05								.01	.01									1.19
FORT YATES	.05	.10	.15	.15	.12	.13	.08	.20	.35	.34															1.67
GOLVA 3 N																		.03	.01	.01					.05
GRAND FORKS CAA //	.10	.01	.09	.04	.14	.23	.22	.32	.05		.15				.07	.06	.03	.01							1.52
GRANO //																		.03	.05	.04	.03	.01	.01	.01	.18
HANNAFORD	.11	.30	.10	.10	.12	.05	.28	.20	.38	.12		.01	.01	.05	.06										1.89
HAYNES 6 NE											.02	.01													.03
HAZELTON R R STATION //	.15	.02	.06	.08	.05	.10	.05	.23	.39	.25	.16														1.54
HURDSFIELD	.03	.05	.02	.08	.09	.13		.07	.11	.28	.05	.02	.05										.02	.03	1.03
JAMESTOWN CAA //	.07	.27	.13	.07	.08	.15	.12	.28	.04			.01	.02	.07	.01										1.32
KRAMER 5 SE						.07	.15	.10	.02								.01	.03	.03	.04	.05	.04	.02	.02	.58
MANDAN EXP STATION	.03	.05	.02	.13	.15	.12																			.50
MC GREGOR RR STATION																		.03	.03	.04	.01				.11
MINOT CAA //																				.05	.02	.03	.02		.12
OAKES	.02	.10	.07	.06	.29	.23	.01						.08	.07	.05										.98
OMEMEE 3 SE	*	*	*	*	*	*	*	*	.48	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.35	.83
PEMBINA CAA //	.17	.05	.03	.17	.20	.15	.23	.18	.17	.15	.07	.08	.09	.01	.07	.06	.19	.08	.05	.05	.05	.05	.04	.04	2.43
PETTIBONE	.06	.06		.05	.12	.13		.12	.41	.22	.20	.08	.12												1.57
RAUB //																			.02	.01	.05	.02			.10
RIVERDALE	-	-	-	-	-	-	-												.03			.01		.01	-
WAHPETON POWER PLANT	.10	.05	.03	.22	.19	.21						.07	.13												1.00
WILLISTON WB CITY																			.02	.05	.03				.10
—11th—																									
DEVILS LAKE WB CITY	.03	.02																	.01	.01					.07
DICKINSON CAA	.01	.01	.01																						.03
GRAND FORKS CAA //	.01	.04																							.05
GRANO //	.01																								.01
KRAMER 5 SE	.01	.01																							.02
MINOT CAA //	.01																								.01
PEMBINA CAA //	.04	.06	.03																						.13
RIVERDALE	.02																								.02
SARLES 3 E //	-	-	-	-	-	-	-	-	-	-															-
—17th—																									
DICKINSON CAA																						.01		.01	.02
GOLVA 3 N													-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO //																							.03	.01	.04
WILLISTON WB CITY																		.02			.06	.06	.01	.01	.16
—18th—																									
AMIDON							.04	.01	.01	.06	.01														.13
ASHLEY //											.09	.06	.18	.12	.02	.03								.01	.51
BISMARCK WB AIRPORT																	.05	.02	.01		.01			.01	.10
BOWMAN COURT HOUSE //								.01	.02				.02			.01						.01		.01	.08
BREIEN																	.02	.02				.01	.04	.01	.10
CARSON																.01	.03	.09	.01						.14
DAWSON													.15	.16	.18	.16	.02	.02	.01	.03	.29	.25	.16	.02	1.45
DEVILS LAKE WB CITY					.01										.03	.11	.13	.08	.06	.09	.18	.02	.04	.03	.78
DICKINSON CAA																	.01	.01	.01				.01	.01	.05
FARGO WB AIRPORT //					.01							.10	.10	.04								.18	.10	.01	.54
FORT YATES																			*	*	*	*	*	*	*
GLEN ULLIN																.03	.05	.06	.15	.13	.10	.11		.01	.64
GRAND FORKS CAA //								.01	.01	.01					.02	.04	.01				.01				.11
GRANO //	.02	.03	.02	.02	.01	.02	.03	.02		.02		.01	.07			.08	.02								.37
HANNAFORD													*	*	*	*	*	*	*	*	.01	.01	.01	.27	.37
HAYNES 6 NE																						*	*	*	*
HAZELTON R R STATION //															.02	.03		.01		.11	.01	.01	.14	.15	.48
HURDSFIELD															.05	.17	.09	.04	.07	.03	.30	.21	.19	.07	1.22
JAMESTOWN CAA //														*	*	*	*	*	*	*	*	*	*	*	*
KRAMER 5 SE								.01	.02						.01	.02	.08	.09	.03		.09	.06	.08	.04	.51
MANDAN EXP STATION															.01	.01	.02	.01	.02	.01	.01		.01		.10
MC GREGOR RR STATION																		.07							.07
MINOT CAA //			.01			.02	.04	.02	.01	.01	.03	.02	.05	.05	.02	.03	.01	.02	.02		.01				.37
MOTT								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OAKES												*	*	*	*	*	*	*	*	*	*	*	*	*	*
OMEMEE 3 SE												.02	.01				.05						.05	.12	.25
PEMBINA CAA //	.02		.01	.02		.01	.04	.02	.03					.03			.03	.03	.05	.11	.06	.07			.53
PETTIBONE													.05	.12	.08	.12	.12	.01	.06	.09	.15	.15	.14	.06	1.15
RAUB //												.15						-	-	-	-	-	-	-	-
RIVERDALE																				.01	.02			.15	.18

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
SARLES 3 E	//		.01	.01	.01	.01	.01	.01	.01	.02								.01	.12	.12	.05	.20	.13	.07	.09	.88
WAHPETON POWER PLANT															.09		.02				.02	.04	.02			.19
WILLISTON WB CITY		.03	.05	.17	.14	.07	.05	.03				.07			.01		.05	.02	.02	.03	.01			.01		.76
—19th—																										
AMIDON																						.01	.04	.01	.01	.07
ASHLEY	//		.01	.01																						.02
BISMARCK WB AIRPORT				.01																						.01
BOWMAN COURT HOUSE	//																				.02	.01	.04	.02	.03	.12
DAWSON		.01	.04						.03	.02				.03												.18
DEVILS LAKE WB CITY		.02	.03	.02	.02		.01				.01	.01	.03													.10
DICKINSON CAA																		.01	.01							.02
FARGO WB AIRPORT	//												.19	.07			.02							.01		.29
FORT YATES		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.48	.07	.02	.01	.02		.02	.62
GRAND FORKS CAA	//	.01		.01		.01	.01	.03	.01		.01	.01	.01	.02					.04	.04	.01					.2
HANNAFORD		.08	.02	.10	.06				.01	.01					.01		.01									.30
HAYNES 6 NE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HAZELTON R R STATION	//	.02					.05			.04	.10	.01	.03		.01		.01						.01	.01	.01	.30
HURDSFIELD		.04	.04							.01	.01															.10
KRAMER 5 SE		.04		.01																						.05
OAKES		*	*	*	*	*	*	*	*	*	*	*	.32	.02		.03	.07	.05	.01	.04	.01	.03	.01			.59
OMEMEE 3 SE		.03																								.03
PEMBINA CAA	//			.03	.07	.02	.03	.04	.05	.01																.25
PETTIBONE		.03	.02																							.05
RAUB	//	.01	.01																							.02
RIVERDALE		.07	.01						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SARLES 3 E	//	.06	.02																							.08
WAHPETON POWER PLANT			.02							.02	.01															.05
—20th—																										
AMIDON		.02	.03	.02	.02	.01	.01	.02	.05	.05	.05	.05	.03	.02	.02											.40
BISMARCK WB AIRPORT					.01					.01	.01	.01		.02	.01	.01							.01			.09
BOWMAN COURT HOUSE	//	.05	.03	.04	.01	.01	.01	.02	.02	.09	.08	.05	.02	.02				.01						.01	.01	.48
CARSON								*	*	*	*	*	*	.15	.02	.01		.01	.01							.20
DEVILS LAKE WB CITY															.02	.02	.02	.01	.05	.04	.02	.01	.01			.20
DICKINSON CAA		.01	.01	.01								.01	.06	.03	.05	.05	.02	.01								.26
FARGO WB AIRPORT	//						.01						.01							.03	.09	.08	.12	.05	.05	.44
FORT YATES		.01		.01		.01								.08	.03		.01	.01	.02							.18
GRAND FORKS CAA	//																				.07	.03	.03	.05	.09	.27
GRANO	//																		*	*	*	.11	.02	.01	.03	.17
HANNAFORD										.01	.02							.05	.05	.02	.08	.01	.02			.26
HAYNES 6 NE	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HAZELTON R R STATION	//													.02	.03	.03	.01	.01	.01							.11
HURDSFIELD																			.02	.02		.01				.05
KRAMER 5 SE																				.03			.02	.01	.01	.07
MANDAN EXP STATION														*	*	*	*	*	*	*	*	*	*	*	*	*
MINOT CAA	//																		.03	.02	.01	.01	.01	.01	.01	.10
OAKES														.01		.01	.01	.02	.02	.03	.03	.02				.15
PEMBINA CAA	//																								.15	.15
PETTIBONE										.01	.01	.01			.01	.02	.04	.02	.01	.01						.14
RAUB	//															.01	.02									.03
SARLES 3 E	//																			.01	.03	.01			.01	.08
WAHPETON POWER PLANT									.01	.02	.02									.11	.07	.10	.10	.01	.01	.45
WILLISTON WB CITY																		.01		.02	.02	.01				.06
—21st—																										
AMIDON		.02	.01	.02		.02																				.07
BISMARCK WB AIRPORT										.01																.01
BOWMAN COURT HOUSE	//	.02							.01	.01																.04
BREIEN						.03	.01	.03	.04	.02																.13
CARSON													.04													.04
DEVILS LAKE WB CITY				.01	.01	.01										.01	.01									.05
DICKINSON CAA		.01	.01				.02	.01			.01															.06
FARGO WB AIRPORT	//	.01																								.01
FORT YATES											.04	.01														.05
GLEN ULLIN			.01	.02	.02	.02	.03	.02																		.12
GOLVA 3 N		-	-	-	-	-	-	-	-																	-
GRAND FORKS CAA	//	.03											-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO	//	.03																								.03
HANNAFORD		.0	.01											.01	.01											.04
HAYNES 6 NE		*	*	*	*	*	*	*	*	*	*	*	.25													.25
HAZELTON R R STATION	//								.01				.01	.01	.01											.04
HURDSFIELD											.01		.01	.01	.01											.04
JAMESTOWN CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.93
KRAMER 5 SE			.01	.01	.01							.01			.01											.05
MANDAN EXP STATION		*	*	*	*	*	*	*	*	.23																.23
MINOT CAA	//	.02	.01																							.03
MOTT		*	*	*	*	*	*	*	*	*	*	*	*	*	.37											.37
OAKES		.01																								.01
OMEMEE 3 SE															.04	.01	.03	.02								.10
PEMBINA CAA	//	.12	.02		.01																					.15
PETTIBONE													.01	.01	.01	.01	.01									.05
RAUB	//	.02		.01	.02	.05	.07	.03																		.20
RIVERDALE		-	-	-	-	-	-	-																		-
SARLES 3 E	//	.01	.01	.02	.04	.01																				.09
WILLISTON WB CITY				.01																						.01
—22d—																										
ASHLEY	//										.10															.10
FARGO WB AIRPORT	//						.01																			.01
GOLVA 3 N		*	*	*	*	.08																				.08
GRAND FORKS CAA	//	-	-	-	-	-	-	-	-	-	-	-	-													-
HAZELTON R R STATION	//					.01	.02	.02	.02																	.07
MC GREGOR RR STATION							*	*	*	*	*	*	*	.49	.05											.54
OMEMEE 3 SE								.03	.02																	.05
PEMBINA CAA	//										.10	.14														.24
PETTIBONE									.01	.06	.01															.08
SARLES 3 E	//		.02		.01	.01		.01	.02	.05	.03															.15
—23d—																										
DEVILS LAKE WB CITY													.01													.01
JAMESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SARLES 3 E	//								.04	.01	.05															.10
—24th—																										
PEMBINA CAA	//			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.14					.14
—28th—																										
CARSON																									.01	.01
GRANO	//																							*	*	*
KRAMER 5 SE																									.05	.05
MC GREGOR RR STATION																						.01	.06	.08		.15
OMEMEE 3 SE																									.03	.03

See reference notes following Station Index.

HOURLY PRECIPITATION

Table 4-Continued

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
WILLISTON WB CITY																						.03			.03
												—29th—													
BISMARCK WB AIRPORT																		.01	.01	.02	.02	.01			.07
CARSON																.01	.01	.01							.03
DAWSON																				.01	.02				.03
DEVILS LAKE WB CITY																	.03	.04	.06	.04					.17
FARGO WB AIRPORT //																			.01	.02	.03	.02			.08
FORT YATES																				.02	.03				.05
GRAND FORKS CAA //																			.02	.03					.05
GRANO //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.30						.30
HAZELTON R R STATION //																		*	*	*	*	*	*	*	*
HURDSFIELD																			.12	.04	.03				.19
JAMESTOWN CAA //																				*	*	*	*	.22	.22
KRAMER 5 SE					.14	.01			.02	.01	.03	.01			.01	.04	.01	.02							.30
MANDAN EXP STATION																	.02	.02							.04
MC GREGOR RR STATION	.05	.17	.08																						.30
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.21						.21
OMEMEE 3 SE	.01	.01			.10	.05		.01	.04	.05	.06	.02	.03	.01	.04	.03	.01								.47
PEMBINA CAA //															.01	.02	.04	.04	.01						.12
PETTIBONE																			.01	.04	.01	.01			.07
RAUB //			.01	.05												.01	.01								.08
RIVERDALE																		.02	.03						.05
SARLES 3 E //						.03	.15								.01	.03	.01	.04	.01						.28
WAHPETON POWER PLANT																						.01	.01	.01	.03
WILLISTON WB CITY	.07	.12														.02									.21
												—30th—													
DAWSON	.01	.01									.03														.05
HAZELTON R R STATION //	*	*	*	*	*	.05																			.05

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	56	71	61	69	87	62	50	47	50	56	56	64	56	68	76	59	56	47	36	31	32	53	40	48	44	53	60	68	59	38	67	55.5
	MIN	49	43	38	41	47	44	32	34	31	41	41	39	37	30	40	33	36	35	28	25	22	26	29	25	28	25	39	39	35	25	27	34.3
AMENIA	MAX	78	74	63	69	84	75	62	52	61	70	56	64	60	63	68	60	58	60	54	36	36	52	49	38	42	50	62	62	57	47	54	58.6
	MIN	56	52	41	31	47	57	38	43	23	48	40	33	40	30	37	39	37	42	34	31	30	29	32	26	28	22	30	28	45	24	18	35.8
AMIDON	MAX	68	70	59	68	85	61	52	44	50	53	55	60	52	60	77	62	53	48	34	28	30	43	39	48	43	58	57	66	58	40	66	54.5
	MIN	48	40	38	41	46	37	32	31	30	37	28	36	30	31	42	31	33	32	24	21	17	22	27	24	27	25	35	35	38	21	31	31.9
AMENIA	MAX	77	72	64	73	81	74	57	54	62	56	52	66	58	63	74	58	53	47	41	33	36	50	41	40	39	47	56	65	65	42	50	56.3
	MIN	50	48	43	35	49	57	30	40	21	44	39	32	39	32	35	40	37	39	32	29	26	32	29	25	26	19	33	28	40	25	13	34.4
ASHLEY	MAX	73	73	61	67	86	77	50	64			55	62	57	59	62	68	53	57	56	32	31	55	55	45	42	52	60	67	56	52	63	58.3
	MIN	51	43	48	32	45	48	35	39	21	40	34	34	32	28	39	35	35	35	29		23	24	28	28	28	19	31	26	45	18	16	33.0
	MAX																																
BALDHILL DAM	MAX	62	68	82	68	52		60	64	55	66	60	60			56	56	34	31	34			40			62						
	MIN			44	29	37	51	33	39			34	30	34	25	33		34	37	32	26	26	23		20	24	15	20	28			13	29.9
BEACH	MAX	60	69	59	70	78	57	45	42	48	52	55	56	56	60	75	56	46	46	32	28	30	43	39	45	42	61	56	65	59	42	65	52.7
	MIN	50	39	35	41	47	37	31	31	31	34	30	36	28	28	40	28	36	31	24	22	18	23	29	24	27	23	36	34	34	24	33	31.7
BELCOURT INDIAN RES	MAX	63	66	59	67	83	77	50	45	51	49	50	57	52	59	68	59	49	42	31	26	31	44	37	32	36	43	55	59	53	31	47	50.7
	MIN	46	43	33	24	42	38	26	33	20	40	31	21	30	23	30	37	35	25	23	17	20	20	22	8	18	8	30	29	29	16	15	26.8
BELFIELD	MAX	61	74	62	71	84	62	43	41	52	53	56	58	57	61	74	56	52	46	34	28	36	51	40	47	43	61	58	57	50	49	67	54.3
	MIN	34	35	34	36	44	40	28	26	26	29	28	33	28	24	38	28	33	29	24	22	18	30	28	23	24	30	33	31	28	30	34	29.9
BISBEE	MAX	66		68	60	85	79	52	49	56	48	51	59	53	59	70	59	50	44	34	30	31	45	38	34	36	45	55	62	52	36	48	51.8
	MIN	45		43	36	31	43	27	36	19	40	30	30	31	27	36	37	31	32	28	20	23	21	25	18	20	16	31	31	35	19	19	29.3
BISMARCK WB CITY	MAX	78	61	72	63	72	89	63	51	49	54	59	58	63	62	63	76	57	56	43	43			55	38	46	46	54	63	66	45	43	58.2
	MIN	52	46	44	39	52	49	34	38	29	38	35	39	36	29	43	38	39	39	32	27	24	25	31	24	25	21	30	32	38	25	25	34.8
BISMARCK WB AIRPORT	MAX	62	71	63	69	90	64	50	50	54	58	57	62	58	62	77	57	55	43	34	30	33	55	39	46	44	53	63	68	59	34	67	55.7
	MIN	52	46	40	36	51	37	34	30	27	44	35	36	34	27	42	38	38	34	30	27	25	31	28	23	23	19	30	27	30	24	28	33.1
BOTTINEAU	MAX	62	69	63	69	83	81	49	48	53	51	58	60	55	60	72	62	52	45	34	32	31	45	37	37	38	47	63	61	61	34	50	53.6
	MIN	50	35	35	29	46	34	27	35	21	35	29	25	26	22	31	35	36	31	27	21	23	17	28	19	18	12	27	29	31	17	20	28.1
BOTTINEAU STATE PARK	MAX	69	71	67	68	80	70	67		51	49	50	60	52	51	68	69	59	44	41	34	39			31	30	41	55	61	55	39	55	54.5
	MIN	49	45	41	31	48	31	32	35	31	33	30	25	39	32	35	41	32	39	31	20	21	29	28	19	26	15	31	32	40	19	18	31.5
BOWBELLS R R STATION	MAX	73	52	69	60	68	75	52	47	54	53	52	53	62	53	60	75	51	49	42		30	39	40	31	41	37	50	51	62	40	59	52.7
	MIN	39	38	35	35	32	43	21	29	23	30	28	28	32	25	32	33	33	20	23	13	23	24	28	18	21	23	23	35	40	15		28.1
BOWMAN COURT HOUSE	MAX	71	63	63	68	86	63	53	40	49	48	53	52	50	56	72	71	51	51	36	35	26	39	39	45	44	53	52	58	65	42	67	53.6
	MIN	49	40	40	40	45	39	33	35	36	39	31	39	39	39	38	39	40	34	25	22	17	22	30	30	37	32	38	40	40	30	30	35.1
BUTTE	MAX	72	69	63	65	82	82	54	48	54	56	54			62	73	68	55	47	35	32	33	48	47	39	42	51	59	64	58	34	61	55.4
	MIN	42	43	38	38	50	40	38	34	28	42	32	36	37	30	41	37	36	34	29	25	23	27	29	22	22	21	38	37	31	22	20	33.0
CAHRINGTON	MAX	75	72	71	61	68	82	64	51	55	58	54	54	63	54	60	58	55	51	43	32										47	30	57.2
	MIN		41	39	35	36	44		26	22	45	29	28	31	28	29	28	27	32	25	20	19	20	26	16	20	19	32	32	40	16	14	28.2
CARSON 2 S W	MAX	58	72	61	70	89	65	46	50	53	57	55	66	57	61	77	60	55	47	37	30	35	53	45	50	44	55	60	68	60	40	67	56.2
	MIN	48	39	41	40	47	43	34	33	28	41	30	36	30	27	36	32	35	35	28	25	22	24	25	26	23	22	34	32	35	25	22	32.2
CAVALIER POWER PLANT	MAX	75	70	71	67	75	72	61	54	62	57	50	60	57	60	66	64	53	47	36	34	32	47	43	38	38	44	55	61	55	43	59	55.0
	MIN	58	52	47			55	33	41	22	41	35	30	35	35	34	42	32		30	24	26	27	28	15	22	15	32	30	34	24	15	32.6
CENTER	MAX	58	71	67	70	87	75	49	66	52	56	56	64	56	65	75	61	55	47	35	32	38	53	41		43	53	61	68	59	40	66	57.3
	MIN	48	38	37	22		25	27	23	24	41	32	35	32	24	38	30	35	35	28	25	21	26	27	20	22	15	32	25	32	28	20	28.9
COOPERSTOWN	MAX	77	70	61	69	84	78	54	53	59	56	52	63	57	60	69	61	52	50	42	31	32	48	43	34	39	48	60	65	64	39	53	55.6
	MIN	53	45	45	30	47	52	34	40	21	44	35	32	36	28	39	38	37	39	29	29	27	24	30	22	23	18	32	38	29	21	16	33.3
CROSBY	MAX	74	58	70	61	71	65	50	47	56	59	55	53	64	54	61	75	52	49	32	30	28	38	41	29	41	36	47	59	60	41	39	51.5
	MIN	37	37	37	32	36	40	26	25	22	31	27	27	32	28	27	31	31	31	22	10	10	26	29	20	21	19	20	32	33	25	25	27.4
DEVILS LAKE W B CITY	MAX	71	68	62	70	85	66	49	51	56	50	51	62	53	60	69	53	51	40	34	29	29	45	36	38	37	46	56	61	56	30	53	52.2
	MIN	51	46	40	34	49	40	31	32	26	41	33	34	36	32	42	39	33	34	28	24	25	26	24	24	23	20	36	36	30	21	22	32.8
DICKINSON CAA	MAX	56	69	59	68	85	57	43	45	49	53	54	59	52	59	75	50	51	41	31	26	34	51	34	47	40	58	58	68	55	41	66	52.7
	MIN	48	40	37	40	46	38	32	32	30	38	31	35	32	31	42	30	37	31	25	22	20	30	27	23	25	23	36	36	26	24	35	32.3
DICKINSON EXP STATION	MAX	78	56	71	60	70	88	58	45	46	52	55	56	62	55	61	77	52	52	37	29	25	38	52	35	48	41	69	59	69	46	42	54.3
	MIN	38	38	38	40	45	42	32	32	26	36	29		29	23	32	33	35	35	25	24	21	21	27	23	26	19	26	32	36	24	26	30.4
DRAKE	MAX	75	58	69	62	68	86	69	47	49	53	56	55	63	55	62	73	54	54	45	37	34	38	48	40	41	40	50	60	63	44	33	54.2
	MIN	47	44	38	38	44	48	32	36	27	43	32	34	34	31	33	36	37	38	30	25	24	24	24	21	23	19	20	35	38	18	19	32.0
DUNN CENTER	MAX	75	56	70	71	70	86	58	45	45	50	51	55	65	56	62	75	56	50	37	30	30	46	56	38	47	41	59	63	67	43	44	54.7
	MIN	48	39	34	36	38		30	32	26	30	23	28	30	24	20	33	32	34	25	24	21	24	24	21	23	18	20	32	35	21	24	28.3
DUNSEITH ST SANITARIUM	MAX	75	68	62	68	83	83	56	50	52	50	51	59	56	60	70	65	56	46	40	31	30	44	39	36	38	45	56	60	52	36	50	53.8
	MIN	49	44	38	38	48	43	28	34	22	42	28	25	32	20	34	38	35	30	26	19	22	20	24	15	20	12	32	29	32	12	20	29.4
ECKMAN	MAX	75	67	71	62	70	82	58	49	50	54	51	57	63	53	64	68	54	52	35	33	29	41	45	48	42	38	50	59	65	43	33	53.8
	MIN	43	40	32	29	30	41	26	27	21	40	30	25	28	24	26	34	35	35	29	20	20	24	25	20	22	13	14	31	30	18	22	27.5
EDGELEY EXP FARM	MAX	76	73	61	66	85	74	51	55	62	62	58	64	59	63	69	56	58	59	57	32	32	58	46	40	42	41	62	69	52	40	62	57.5
	MIN	52	44	45	34	38	48	38	41	23	43	37	38	37	28	37	33	41	38	31	29	28	26	30	27		35	31	28	18	14	34.2
EDMORE 1 W	MAX	75	68	65	70	82	76	53	53	58	54	49	60	55	59	65	51	52	43	38	30	30	43	37	32	35	42	53	58	55	36	48	52.4
	MIN	48	48	40	24	45	48	26	38	16	42	32	30	32	29	37	37	31	33	28	24	24	22	25	19	21	16	33	30	35	20	17	30.8
ELBOWOODS	MAX	58	72	64	72	86	62	60	50	53	57	55	64	62	62	76	57	53	45	40	32	36	57	40	51	46	54	62	68	59	39	63	56.6
	MIN	45	36	32	32	44	44	34	32	23	35	24	24	28	21	38	34	31	22	25	20	19	22	24	22	19	13	26	23	24	18	23	27.6
ELLENDALE	MAX	79	76	64	66	83	76	59	51	62	63	58	65	60	64	67	62	57	59	59	34	36	60	53	41	45	57	62	69	58	45	62	59.8
	MIN	42	45	47	32	33	55	40	34	24	44	36	35	35	30	38	38	34	40	32	30	28	29	30	24	30	19	30	29	42	15		34.0
EPPING	MAX	68	74	68	73	74	58	45	49	58	52	53	63	55	62	76	62	50	40	30	32	32	43	35	40	45	55	60	64	55	39	60	53.8
	MIN	49	38	31	37	46	39	23	30	27	32	27	33	27	25	36	33	32	30	23	20	20	27	27	22	20	20	32	32	30	25	32	29.8
FARGO WB AIRPORT	MAX	75	71	58	67	79	67	53	51	61	70	53	64	58	62	69	58	60	61	58	38	36	52	43	39	40	48	60	65	56	33	51	56.6
	MIN	57	54	38	35	50	43	40	33	22	48	42	37	37	30	43	39	39	48	34	33	30	30	26	26	27	21	35	29	32	18	17	35.3
FESSENDEN	MAX	70	69	68	67	88	82	55	51	59	56	62	57	61		64	60	51	46	41		41	48	42	40	40	51	58	64		39	60	56.7
	MIN	44	41	40	38	46	41	34	29	31	28	35	35	30	41	35	38	33	30	29	25	28	29	30	29	24	20	35	38		20	30	32.9
FORMAN	MAX	78	74	72	68	82	72	60	49	61	67	56	65	62	61	70	70	60	60	59	35	34	59	44	37	43	50	62	65	57	41	55	59.0
	MIN	48	49	49	34	45	58	42	43	25	41	39	35	35	28	40	40	37	45	34	31	30	28	30	25	31	18	34	31	41	26	16	35.7
FORT YATES	MAX	66	73	65	69	81	80	57	50	55	60	58	67	59	61	76	65	58	54	45	33	33	56	52	48	48	53	61		62	42	69	58.9
	MIN	50	44	47	40	57	47	36	38	26	39	35	40	37	32	41	36	38	38	30	28	25	28	29	28	25	23	27	28	38	27	22	34.8
FOXHOLM WILDLIFE REF	MAX	73	89	61	71	82	70	52	47	55	55	54	64	62	63	65		50	46	47	36	37	47	42	43	43	53	56	65	58	54	62	56.1
	MIN	49	41	36	31	48	44	47	35	26	38	28	34	33	29	34	37	34	31	30	22	25	28	32	18	23	12	36	32	26	18	24	31.7
FULLERTON	MAX	79	76	63	68	84	75	57	51	65	63	58	65	59	63	68	61	59	58	57	35	34	57	48	40	43	56	60	67	57	44	58	59.0
	MIN	53	48	50	38	49	54	38	44	25	46	39	36	38	30	38	40	35	42	35	30	29	29	30	26	30	19	30	31	44	25	16	35.9
GACKLE	MAX	70		69	65	84	78	60			57	55	83	58	59			56		55	31	30			50	41	50	59	63				
	MIN	50		44	35	48	48	36					35	33	30			37		28	25	25			21	25	21	34	32				
GARRISON	MAX	75	53	70	61	69	84	59	48	48	52	57	57	64	56	63	75	55	56	38	32	31	40	48	37	43	41	55	65	66	44	35	54.2
	MIN	48	42	37	35	36	47	29	35	26	30	32	31	32	26	27	35	36	36	27	23	23	23	30	20	22	23	23	22	38	21	29	30.5
GRAFTON STATE SCHOOL	MAX	75	72	68	70	77	77	85	54	58	56		63	62	61	65	63	51	44	41	33	34	48	43	37	38	45	57	64	55	42	46	55.5
	MIN	47	46	46	28	45	54	29	29	21	42		30	36	31	37	40	35	32	29	26	27	24	24	19	23	17	31	28	38	23	16	31.8
GRAND FORKS CAA	MAX	74	70	62	68	78	67	52	52	59	62	53	65	54	61	66	56	50	54	41	34	34	51	37	39	39	46	58	65	54	32	48	54.3
	MIN	54	48	36	33	48	39	37	30	23	46	41	36	36	33	41	38	39	41	32	31	27	27	28	26	24	20	34	31	32	18	18	33.7
GRAND FORKS UNIVERSITY	MAX	74	70	81	70	77	70	53	52	58	63	53	64	55	61	66	58	50	55	38	35	35	50	35	38	37	45	57	65	52	32	49	54.1
	MIN	48	48	37	38	49	40	39	28	26	42	37	37	34	33	40	40	40	39	32	31	28	27	26	26	21	20	32	32	27	20	18	33.3
GRANVILLE	MAX	67	72	67	71	86			50	55	54	57	85	80	65	77	62	53	49	47	33	36	50	41	40	43	37	59	66	57	33	63	55.7
	MIN	50	40	50	32	48			37	22	39	30	30	35	25	38	38	33	32	28	22	23	25	28	19	20	15	33	33	30	18	20	30.8
GRENORA	MAX	88	72	71	74	73	53	40	48	50	48	53	55	48	57	70	60	42	40	30	23	32	35	38	44	41	50	55	60	49	43	45	50.8
	MIN	48	47	38	45	34	38	20	25	30	31	27	34	29	25	35	30	34	25	20	15	22	25	29	20	21	20	38	34	30	27	32	30.0
HANKINSON R H STATION	MAX	78	74	75	61	82	80	81	53	48	68	68	51	68	60	64	70	61	63	65	56	39	38	56	44	43	42	52	59	67	56	32	59.2
	MIN	40	43	50	38	32	51	45	39	30	29	42	39	39	36	37	43	41	40		33	32	30	31	26	26	25	25	31	34	26	18	35.0
HANNAH	MAX	71	70	65	69	80	77	69	49	60	53	52	54	56	60	66	62	50	43	34	28	30	42	34	34	35	43	55	58	48	33	52	52.8
	MIN	48	45	42	28	43	48	37	35	20	41	32	29	30	30	38	35	30	34	28	20	21	22	24	12	18	13	34	31	33	18	21	30.4
HANSBORO	MAX	67	70	64	70	84	77	54	48	59	50	54	59	54	61	71		55	43	33	30	32	43	36	34	34	44	55	60	51	34	49	52.5
	MIN	48	42	39	30	47	45	28	34	20	42	31	30	33	28	36		28	31	28	17	21	21	23	8	18	14	32	35	32	18	18	29.3
HETTINGER EXP FARM	MAX	85	72	69	68	90	78	71	54	52	55	56	67	55	60	78	68	57	48	40	29	40	52	50	53	46	57	61	69	61	41	67	59.0
	MIN	38	37	38	40	45	44	35	34	33	27	28	35	29	28	34	33	29	35	24	23	17	33	29	23	30	22	32	32	30	24	25	31.1
HILLSBORO	MAX	75	72	80	88	81	71	54	59	56	69	52	64	57	60	88	58	54	63	49	35	35	50	42	37	39	47	61	65	58	35	48	56.2
	MIN	58	50	48	32	54	53	39	39	24	47	38	34	40	32	40	38	39	41	35	30	32	28	30	26	26	21	31	27	35	26	16	35.8

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MESTOWN CAA	MAX	77	72	62	68	86	64	53	55	59	57	55	63	58	61	70	58	55	57	41	32	31	51	40	41	40	51	61	65	59	32	58	55.9
	MIN	53	47	34	33	46	38	35	29	20	44	36	36	35	30	38	38	36	40	31	28	27	27	28	21	25	21	30	30	33	16	16	32.3
MESTOWN STATE BOSP	MAX	76	72	62	68	85	74	54	54	59	59	55	64	58	62	71	58	55	58	50	33	35	52	43	38	41	52	59	66	62	37	58	57.1
	MIN	54	48	47	31	48	53	37	42	21	45	37	36	38	29	40	41	37	40	31	29	21	28	30	22	27	20	34	30	37	22	17	34.6
NMARE	MAX	75	60	68	64	68	75	54	50	52	55	54	54	64	58	62	75	57	48	33	32	27	46	48	32	43	40	50	60	62	41	38	53.0
	MIN	37	40	37	39	42	43	30	32	28	40	30	33	33	30	35	44													40	17	29	
NSAL WILDLIFE REFUGE	MAX	65	64	60	62	83	77	58	50	56	54	53	60	55	54	65	64	49	46	40	29	29	48	38	36	34	51	60	65	52	38	52	53.1
	MIN	51	45	43	31	42	38	30	32	20	41	33	31	34	27	37	34	32	35	29	24	24	24	26	16	24	15	34	27		14	15	30.3
MOURE	MAX	72	74	64	67	83	75	62	51	62	65	57	65	60	64	66	62	59	60	59	34	34	55	49	40	43	51	60	68	67	44	81	59.1
	MIN	62	46	47	33	51	54	36	43	22	45	41	37	36	28	33	40	34	43	32	30	29	28	30	28	29	19	30	28	42	25	16	35.4
NGDON EXP FARM	MAX	70	67	62	69	70	78	70	54	58	52	50	58	53	59	64	58	50	42	34	28	29	41	35	32	35	41	54	57	53	37	45	51.8
	MIN		45	40	30	47	40	26	38	20	40	32	31	31	29	37	38	30	31	28	22	21	22	25	13	18	13	32	31	35	19	12	29.2
RIMORE	MAX	70	70	62	69	81	71	54	51	59	55	50	63	56	60	66	55	52	44	39	32	32	47	39	37	37	46	56	64	56	35	51	53.5
	MIN	59	48	47	38	49	54	35	42	25	45	38	37	39	33	39	41	37	38	31	38	29	27	28	25	25	22	32	33	34	22	18	35.5
EDS	MAX	68	70	63	71	87	80	49	52	54	55	55	60	54	61	72	58	53	45	34	32	20	47	39	39	39	49	58	62	55	38	52	54.2
	MIN	51	43	38	36	59	41	29	38	25	41	31	38	33	31	42	39	33	34	31	24	25	24	28	21	23	19	36	34	35	21	22	33.1
NTON	MAX	67	72	65	69	90	80	55	51	57	60	59	68	60	62	75	62	58	51	46	32	32	57	48	47	45	55	62	88	59	38	68	58.6
	MIN	53	40	48	32	51	45	36	40	23	43	32	30	29	24	39	37	39	39	32	31	26	25	29	27	28	15	27	25	38	27	17	33.1
SBON	MAX	80	78	75	60	69	83	68	53	50	66	68	56	65	59	64	67	60	60	59	39	35	35	55	48	44	40	50	59	67	54	33	58.0
	MIN	47	50	43	28	30	49	35	39	20	45	40	35	36	28	30	41	30	38	38	30	30	28	30	28	29	22	23	29	32	26	19	33.2
NDAN EXP STATION	MAX	74	59	72	62	68	89	61	49	47	54	57	57	63	56	61	76	55	55	41	32	29	39	54	38	45	43	53	61	67	49	41	55.1
	MIN	50	44	48	37	49	49	32	37	27	41	34	40	35	28	39	38	39	38	31	27	24	25	29	23	24	19	30	31	42	24	23	34.1
NDAN FT LINCOLN PARK	MAX	63	75	65	70	90	75	54	50	58	61	60	63	59	63	78	67	57	50	39	32	34	58	44	47	45	53	64	68	61	39	68	58.4
	MIN	50	45	43	30	49	47	33	36	28	42	35	39	35	30	40	37	38	38	30	26	24	26	28	24	24	22	35	28	36	23	23	33.7
RMARTH	MAX	67	70		70	83	58	46	40	51	55	51		55		71		58	46	35	28	33	45	41	50	45	61	62	66	60		67	54.4
	MIN	50		37	38	40	37	34	32	27	33	30		25		35		32	35	25	23	20	23	30	30	30	23	30	30	33		30	31.2
X	MAX	75	54	68	80	68	83	59	46	52	49	56	55	65	54	63	73	55	54		30	32	38	42	40	41	40	52	60	63	45	34	53.5
	MIN	43	40	37	37	38	47	31	35	36	34	31	32	32	26	29	35	36	35	28	23	23	27	29	20	21	16	21	31	31	17	17	30.3
YVILLE	MAX	75	70	67	70	82	76	62	52	59	62	54	65	59	56	67	80	57	54	48	34	34	49	44	36	38	48	66	66	58	44	52	56.9
	MIN	57	50	49	36	50	57	40	44	24	46	41	36	40	33	41	42	37	40	34	32	32	28	32	26	28	21	31	32	44	26	19	37.0
CLUSKY	MAX	75	58	69	60	68	87	60	47	49	59	56	55	62	55	61	73	52	53	38	31	27	42	47	37	39	40	49	58	63	45	40	53.4
	MIN	50	43	41	36	43	44	30	36	28	38	32	34	32	29	39	37	36	36	27	23	21	22	30	20	22	19	34	35	36	21	20	32.1
HENRY 5 N	MAX	74	69	59	68	83	73	50	50	58	54	52	63	53	60	70	58	52	41	38	30	30	45	39	33	38	48	57	63	55	35	54	53.3
	MIN	50	45	44	32	46	48	31	39	23	43	33	32	35	29	38	39	32	36	30	25	24	27	23	23	18	33	30	32	21	17	17	32.3
LEOO 3 E	MAX	78	70	67		82	80	67	52	61	68	65	54	60	63		65	62	63	60	37		54	50	45	47	50	64	62	59	48	55	60.3
	MIN	51	49	48	32	45	35	39	44	22	48	35	37	36	22	40	40	37	46	35	30	30	28	29	29	28	17	35	27	35	23	14	34.4
DORA STATE PARK	MAX	62	76	74	81	84	76	49	47	44	51	58	60	57	60	63	59												64	61	54	70	
	MIN		38						33	36	34	24	34	28	26	34	33	35															
DORA T R N M P	MAX	61	72	66	72	83	62	54	47	54	55	57	59	57	63	79	50	51	49	35	29	35	51	46	50	44	64	61	69	62	45	69	56.5
	MIN	49	37	34	33	49	42	31	32	26	36	30	39	26	22	36	28	40	36	26	26	21	28	31	24	27	18	26	30	39	28	33	31.7
NOT CAA	MAX	58	69	61	70	84	58	49	48	52	57	57	64	55	62	75	54	51	40	32	28	35	46	37	42	39	51	58	64	51	32	63	53.0
	MIN	50	43	37	42	50	36	32	31	28	41	32	34	34	30	44	38	35	31	25	21	24	33	27	23	22	19	37	38	29	20	32	32.8
NOT EXP FARM	MAX	66	69	63	69	83	69	51	48	54	59	55	64	57	60	73	63	52	48	33	30	34	46	40	40	42	50	57	63	59	32	61	54.5
	MIN	48	40	35	36	49	45	29	33	26	41	30	33	32	28	41	38	33	31	27	20	24	27	28	19	20	19	33	34	31	17	22	31.3
HALL	MAX	59	69	61	70	80	66	52	47	55	53	56	83	54	63	75	61	49	36	33	29	35	48	39	43	38	50	57	64	50	32	61	53.2
	MIN	49	40	34	36	45	33	26	28	27	32	31	29	28	25	40	37	32	27	24	19	23	32	23	21	16	16	36	35	28	19	25	29.5
NTPELIER	MAX	78	77	71	62	67	84	65	55	55	62	59	56	66	58	61	69	61	57	59	34	33	36	53	38	43	39	51	60	66	50	30	56.6
	MIN	50	46	43	36	40	54	35	39	18	28	36	35	38	31	34	35	36	38	34	28	26	27	29	19	26	18	23	25	34	23	12	32.1
TT	MAX																																
	MIN	48	36	41	37	45	41	28	32	27	42	29	37	27	22	35	35	32	34	27	24	20	20	28	28	29	18	30	27	32	24	24	30.9
NICH 4 SW	MAX	69	67	62	68	72	74	51	50	56	52	49	58	54	53	64	54	51	45	34	30	30	43	36	31	35	42	55	58	53	39	47	51.0
	MIN	49	45	38	27	46	46	25	30	19	42	31	29	31	27	38	37	32	33	29	21	23	21	26	17	20	15	32	30	34	19	18	30.0
POLEON 2 SE	MAX	70	69	60	66	86	75	50	49	57	56	53	62	64	58	68	58	54	54	47	31	30	53	42	43	42	49	58	62	56	36	61	55.5
	MIN	50	43	45	35	47	45	28	36	24	41	34	37	32	30	40	38	36	37	28	27	25	24	28	24	26	20	34	31	36	22	14	32.8
W ENGLAND	MAX	66	73	65	71	90	68	62	45	52	56	58	85	55	62	79	62	54	56	42	35	34	47		48	47	60	59	70	67	47	68	58.8
	MIN	48	38	38	36	43	39	34	32	29	39	30	38	28	23	38	30	35	33	24	23	19	22	29	26	28	21	35	30	39	25	29	31.6
W SALEM 1 S	MAX	57	71	69	72	88	63	53	60	58	55	59	59	57	61	71	61	57	47	36	31	35	55	42	45	44	60		68	59	50	58	56.7
	MIN	44	42	43	45	46	42	34	32	32		32	30	32	30	41	34	35	32	28	24	22	25	25	23	23	30	35	36	30	27	26	32.7
KES	MAX	80	79	76	61	83	83	69	53	49	65	66	58	65	60	64	68	60	59	59	40	33	37	59	44	43	43	54	82		55	37	58.8
	MIN	43	47	49	30	32	59	39	43	22	30	38	33	33	28	30	41	31	33	39	30	29	28	30	25	26	17	22	25	29	26	17	32.4
RK RIVER	MAX	75	69	63	71	81	79	67	53	60	54	50	62	60	60	68	64	56	45	37	32	33	47	44	36	39	45	56	62	53	36	49	55.0
	MIN	50	50	47	32	48	56	35	43	28	44	38	35	38	35	48	43	35	37	31	29	29	28	28	20	25	20	33	32	28	25	20	35.2
RSHALL	MAX	65	70	64	70	81	63	51	49	51	58	55	65	56	62	75	63	50	47	34	29	36	48	38	45	42	54	60	65	58	38	65	55.1
	MIN	48	39	34	34	45	43	23	34	23	37	27	29	29	20	38	36	35	33	29	21	23	27	27	22	30	12	30	28	33	22	32	30.4
KBINA CAA	MAX	73	69	63	71	72	69	55	52	60	53	48	61	49	59	63	54	50	42	37	32	32	45	35	35	34	42	52	60	52	29	41	51.3
	MIN	50	46	37	27	49	35	29	32	18	43	36	30	35	29	39	42	33	36	29	27	21	19	20	17	17	13	29	30	28	14	14	29.8
CKERSBURG	MAX	70	74	63	69	80	71	60	50	59	53	52	63	55	60	69	56	50	52	42	31	31	38	45	38	37	45	48	62	55	34	48	53.5
	MIN	48	48	43	32	39	41	32	35	25	43	35	32	35	30	39	39	34	36	50	23	23	26	24	26	22	18	32	33	33	22	18	32.8
TTIBONE	MAX	67	71	62	66	88	79	51	51	58	54	55	60	58	59	70	64	54	48	40	31	30	51	45	40	40	50	61	62	54	40	63	55.5
	MIN	51	44	43	34	44	45	32	38	24	47	32	34	32	26	42	39	34	38	30	26	25	24	28	19	24	18	31	29	40	20	15	32.5
TAL	MAX	73	53		68	69	72	48	46	48	58	52	53	63	53	62	75	51	48	33	31	27	45	40	31	40	36	46	55	59	40	36	50.4
	MIN	45	39		31	45	40	25	25	26	32	26	29	29	25	38	28	28	30	22	10	15	27	25	18	19	18	23	32	38	13	19	27.3
HARDTON ABBEY	MAX	61	71	63	69	86	65	56	45	49	56	54	63	55	61	76	65	55	49	33	29	32	53	44	47	43	55	60	69	59	40	66	55.8
	MIN	48	40	40	40	45	43	36	31	30	40	30	37	32	29	39	36	38	33	26	23	20	24	28	23	25	23	38	35	35	24	29	32.9
ERDALE	MAX	74	56	70	62	70	85	59	47	46	50	56	56	64	55	61	74	55	55	37	33	27	39	40	38	42	40	52	80	62	44	38	53.1
	MIN	46	44	39	38	45	48	33	35	30	35	32	36	35	30	33	39	37	38	28	24	22	21	29	21	22	20	22	35	41	21	24	32.3
LA	MAX	63	68	60	67	81	75	49	46	54	50	50	55	53	58	67	58	44	41	32	26	31	45	35	33	34	42	56	58	51	31	47	50.2
	MIN	48	45	36	36	45	43	28	34	23	41	31	33	34	27	34	39	28	30	25	17	22	21	22	13	20	15	32	30	31	18	20	29.7
BY	MAX	72	70	82	68	86	83	55	54	53	52	54	61	57	62	73	88	57	47	35	32	32	47	40	36	40	47	58	64	57	35	53	55.2
	MIN	51	43	38	34	48	47	30	36	28	44	32	31	32	28	41	37	35	34	30	24	25	20	28	22	22	17	34	35	34	20	22	32.3
ISH	MAX	76	53	70	62	70	79	56	43	47	55	57	55	63	55	62	75	53	50	37	32	30	40	47	34	46	40	51	59	62	42	38	52.9
	MIN	44	39	32	32	37	41	23	26	25	27	29	30	29	20	20	33	34	32	26	22	22	23	30	20	23	13	15	30	34	23	21	27.6
ROW	MAX	76	71	63	68	81	71	50	51	58	57	52	62	57	60	65	57	52	48	40	31	32	45	39	35	38	48	60	63	55	35	50	53.7
	MIN	50	46	46	34	41	47	34	41	23	44	36	34	36	29	40	39	37	37	30	27	28	25	27	25	24	19	35	31	34	22	17	33.4
ELE	MAX	70	71	61	68	89	76	61	61	60	52	57	60	58	62	74	62	55	46	40	30	30	51	39	43	41	51	62	64	58	34	63	56.4
	MIN	49	41	39	35	47	44	30	35	22	39	30	31	30	24	30	36	34	35	28	25	23	21	25		22	14	28	28	26	29	14	30.4
WER	MAX	69	70	63	71	85	67	55	51	50	55	51	63	55	62	74	68	56	47	34	30	29	49	39	42	42	58	59	67	58	43	60	55.5
	MIN	41	40	34	37	35	34	33	29	23	29	28	28	29	25	32	39	33	28	27	22	23	26	26	20	20	12	38	30	38	18	18	28.9
TTLE LAKE	MAX	84	70	66	68	86	76	68	49	55	57	56	64	56	61	75	57	55	47	37	35	33	45	42					65	58	34	63	57.9
	MIN	50	43	42	38	48	30	32	35	28	31	32	32	33	28	40	33	38	34	29	25	23	26	20					33	32	18	28	32.6
ERWOOD 12 W	MAX	55	71	61	53	84	72	55	45	52	57	65	60	60	62	75	56	57	48	39	34	34	52	55	45	50	53	60	58	56	40		55.5
	MIN	40	43	35	33	45	29	36	35	26	42	32	31	35	25	40	37	37	34	29	26	28	28	20	20	19	16	31	31	32	24	31	31.3
WAN WILDLIFE REFUGE	MAX	67	73	68	70	85	80	64	55	54	50	58	63	61	65	75		54	48	38	33	35	51	41	39	42	50	60	65	58	34	60	56.5
	MIN	51	39	44			42	29	27	21	42	30	25	34	23	35	35	35	35	29	21	24	23	30	19	21	12	30	32	32	18	25	29.8
LEY CITY	MAX	78	73	68	69	82	77	65	52	60	65	55	65	59	62	65	65	55	58	56	35	34	51	50	37	42	49	58	66	65	47	54	58.6
	MIN	51	48	45	30	46	58	38	41	21	47	35	36	36	27	40	42	40	41	34	30	30	28	32	28	27	22	33	29	47	25	18	35.6
HOOK	MAX	63	71	61	72	82	61	51	47	53	57	54	65	56	62	76	60	49	47	33	30	35	47	43	46	44	55	58	67	55	37	66	54.9
	MIN	49	39	34	36	48	44	29	34	27	38	29	31	34	24	36	34	36	32	26	22	23	26	18	21	20	17	35	34	33	21	29	30.9
A	MAX	87	71	65	69	85	70	49	49	55	59	57	65	55	63	75	61	53	48	35	31	34	48	40	40	42	52	58	64	59	33	61	55.3
	MIN	50	43	38	35	52	49	32	37	24	42	32	35	33	30	45	38	34	34	30	25	24	28	32	23	23	18	35	33	33	22	22	33.3
ETON STATE SCHOOL	MAX	74	75	71	67	80	76	61	50	61	70	58	65	60	63	70	65	65	68	66	42	41	56	50	38	41	50	62	66	59	49	54	60.4
	MIN	55	53	49	37	47	59	43	45	27	50	41	38	39	32	41	39	42	52	39	35	32	30	31	24	30	21	34	30	48	25	16	38.2
BURN	MAX	83	71	63	69	87	76	49	49	53	58	57	65	58	63	76	66	54	48	38	33	34	53	45	45	45	52	62	67	62	35	66	56.8
	MIN	50	43	40	40	51	36	34	37	30	43	33	38	34	30	41	36	39	36	30	26	24	29	28	23	23	20	35	35	33	21	26	33.7
ORD CITY	MAX	89	69	63	72	77	58	48	51	56	55	55	65	56	63	75	51	48	44	32	28	35	47	37	48	43	59	82	66	59	42	68	54.9
	MIN	49	40	36	36	47	47	29	33	30	37	30	35	31	26	40	34	36	30	25	21	21	24	28	23	23	20	35	34	33	26	33	32.0

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WESTHOPE	MAX	63	70	62	70	82	62	50	50	54	52	53	62	53	62	74	54	51	39	33	34	36	47	37	40	40	49	59	63	51	47	54	53.3
	MIN	50	40	33	31	45	40	26	30	20	39	30	27	32	26	37	37	32	30	27	17	23	30	23	19	20	15	33	31	31	20	27	29.7
WILLISTON WB CITY	MAX	65	70	61	72	68	53	46	48	55	54	55	63	52	62	77	50	48	35	31	27	37	46	35	48	39	57	60	62	46	43	67	52.6
	MIN	52	44	38	41	51	35	26	33	32	32	32	40	32	30	41	38	35	28	23	22	24	35	28	26	24	24	37	35	31	30	37	33.4
WILLOW CITY	MAX	63	71	63	70	85	64	62	52	54	51	56	62	55	63	74	57	53	44	35	33	33	50	39	41	42	49	60	65	56	33	58	54.6
	MIN	51	42	37	26	47	45	28	33	16	42	31	25	32	22	31	36	31	32	29	23	25	22	26	19	20	16	32	26	31	19	22	29.8
WILTON RR STATION	MAX	71	57	67	59	66	86	59	48	46	50	54	54	62	52	60	73		53	38	30	26	38	48	34	41	39	49	58	61	44	32	51.8
	MIN	47	42	39	33	36	46	33	33	24	36	31	31	34	24	26		34	33	28	24	21	22	22	17	21	16	17	28	29	19	18	28.8
WISHEK	MAX	73		70	61	68	85	64	50	50	55	57	56	62	57	60		57	56	57	35	33	38	58	38	45	41	52	59	63		51	55.4
	MIN	48		44	28	45	48	33	39	19	41	34	35	34	23	36		35	37	32	27	25	25	23	24	28	15	21	24	40		13	31.3

EVAPORATION AND WIND

Table 6

Station		Day of month																													Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DICKINSON EXP STATION	EVAP	.12	.00	.11	.11	.14	.21	.17	.04	*	.11	.13	.14	.02	*	.19	.14	.09	.09														
	WIND	70	90	90	80	170	175	135	150	80	170	265	105	105	55	140	120	80	220														
RIVERDALE	EVAP	.17	.19	.28	.10	.30	.20	.30	.04	.22	.03	.19	.13	.21	.13	.09	.34	.14	.16	.05													
	WIND	201	137	105	112	288	213	176	107	91	161	308	128	194	110	178	121	84	276	281													

SNOWFALL AND SNOW ON GROUND

Table 7

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALMONT 7 SW	FALL																			0.3	2.3	0.1									0.1	
	ON GROUND																			T	2	2										
AMENIA	FALL																								T							
	ON GROUND																															
ASHLEY	FALL																					T										
	ON GROUND																															
BEACH	FALL							T	1.0												3.0	2.0										
	ON GROUND								T											-	-	2	4	T								
BISMARCK WB AIRPORT	FALL																				T	T	0.1		T					0.5	T	
	ON GROUND																				T	T	T	T							T	
CARSON 2 SW	FALL																				-	1.0	0.7									
	ON GROUND																				T	1	2									
CENTER	FALL									-	-										0.1	1.5	0.5							0.2		
	ON GROUND									-											T	1	1									
CROSBY	FALL																			5.0	4.5											
	ON GROUND																			5	10	-	5	4	1							
DEVILS LAKE WB CITY	FALL																				T	0.2	0.8	T	0.1	T				T	T	
	ON GROUND																				T	T	1		T	T					T	
DICKINSON CAA	FALL							T	T												T	2.0	0.4								T	
	ON GROUND																				T	2	2									
DUNN CENTER	FALL								T													T	1.5									
	ON GROUND																						-	-								
EDGELEY EXP FARM	FALL																							T	T						-	
	ON GROUND																														-	
ELLENDALE	FALL										T										T										-	
	ON GROUND																															
FARGO WB AIRPORT	FALL											T									T	T	T	T	T	T				T	T	
	ON GROUND																						T							T		
FESSENDEN	FALL																						2.2							1.1		
	ON GROUND																						1							1		
FORMAN	FALL																							T	T						0.4	
	ON GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FORT YATES	FALL																				-	-	-									
	ON GROUND																				-	-	-									
GRAFTON STATE SCHOOL	FALL																							-								
	ON GROUND																								-							
GRAND FORKS CAA AP	FALL																						0.2	0.1	T	0.2				T	T	
	ON GROUND																						T			T						

See reference notes following Station Index

Table 7 -Continued

SNOWFALL AND SNOW ON GROUND

Station		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JAMESTOWN CAA AP	FALL																			T	T	T		0.2	T	T				0.5		
	ON GROUND																					T		T	T	T					T	
LANGDON EXP FARM	FALL																			0.5	0.3	0.8	0.2	0.5	0.1					0.3	0.2	
	ON GROUND																				T	T	1	1	1	T	T					
LINTON	FALL																				-											
	ON GROUND																				1	T										
MARMARTH	FALL								3.0											T	5.0	T										
	ON GROUND							T	T												-	-	-	-	-	-	-	-	-	-	-	-
MATVILLE	FALL																					0.1										
	ON GROUND																					T		T	T	T					T	
MC CLUSKY	FALL																			-	-	-									1.0	
	ON GROUND																			-	-	1										
MC HENRY 5 N	FALL																					T	T	T	T							
	ON GROUND																					T			T							
MEDORA T R N M P	FALL																			T	4.5										T	
	ON GROUND																			T	5	2	1								T	
MINOT CAA AP	FALL																		T	T	0.9	0.5		T	T					0.9	T	
	ON GROUND																			T	T	1		T						1	T	T
MOHALL	FALL																	-	-	-	0.2									0.5		
	ON GROUND																	-	-		T									T		
MOTT	FALL																				-	-										
	ON GROUND																				-	-										
NAPOLEON 2 SE	FALL																			T	0.5	T								T	0.3	
	ON GROUND																			T	1	T									T	
PARSHALL	FALL																			-	0.5	0.5								-		
	ON GROUND																				T	1										
PEMBINA CAA AP	FALL																				T	T	0.4	T	0.8	T				T	0.1	
	ON GROUND																					T		T	1	1					T	
PETERSBURG	FALL																					0.6										
	ON GROUND																					T										
PETTIBONE	FALL																			-	0.5	0.5									1.0	
	ON GROUND																			-	T	1									1	
PORTAL	FALL																			8.0											1.0	
	ON GROUND																		4	8	8	8	7	6	5						1	1
RICHARDTON ABBEY	FALL								0.5											0.2	1.6	0.3								T		
	ON GROUND																			T	2	2	T	T	T							-
ROLLA	FALL																			1.5	0.5	0.9		0.8	T					T		
	ON GROUND																			2	2	3		1								
RUGBY	FALL																				1.5	2.8										
	ON GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHARON	FALL																			T	T	1.0		T	T							
	ON GROUND																			T	T	1			T							
STEELE	FALL																		-	-	-	-									-	
	ON GROUND																	-	T	T	1	2									1	
																			-	T	1	2									1	
UPHAM WILDLIFE REFUGE	FALL																					2.0		T	T					T		
	ON GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VELVA	FALL																			T	T	1.0		T	T					0.5	T	
	ON GROUND																			T	T	1	T							T	T	
WAHPETON STATE SCHOOL	FALL																					T										
	ON GROUND																															
WATFORD CITY	FALL																		T		1.5	0.6										
	ON GROUND																				1	2										
WILLISTON WB CITY	FALL																	T	T	T	0.5	0.1		T	T	T				T		
	ON GROUND																		T	T	T	T										

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 08			7A	MYRA J BOTA	S
ALEXANDER RR STATION	0088	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALMOTT 7 N	0138	MORTON	4	46 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 5 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 43			7P	N A BURY	3
AMENIA	0186	CASS	11	47 00	97 13	980	SS	SS	VIRGIL L GREEKE	2 3 5 7
AWIOON	0209	SLOPE	1	46 30	103 19	2910	5P	5P	STANLEY N SALZ	2 3 4 5
AMYLLIS STATE PARK	0399	GRAND FORKS	10	47 56	97 30	960	SP	8P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	99 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 7
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 S 5
BALFOUR RR STATION	0492	MC HENRY	12	47 57	100 32			MID	C G THOMSON	3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F BODGIN	2 3 5 7
BELCOURT INDIAN RSS	0628	MOLETTE	9	49 50	98 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0638	STARK	4	46 52	103 11	2532	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	9	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	89 22	1R01	RP	8P	ROBERT L PETERSON	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1670	10A	1DA	D R WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0815	BURLEIGH	8	46 48	100 45	1650	MID	MID	D R WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1639	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	8P	PARK SUPT	2 3 5
BOWBELLS RR STATION	DS81	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0895	BOWMAN	3	48 11	103 23	2872	5P	5P	O G SOOM	2 3 4 5
BREIEN	1052	MORTON	1	46 24	100 57	1720		MID	FRANK E POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1365	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J M EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1458	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5 7
COLGATE	1R86	STEELE	10	47 14	87 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1798	GRIGGS	11	47 28	98 07	1428	5P	5P	E J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		8P	G B SAHAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 1R	1954	7A	7A	VERNON V NICHOLS	2 3 5 7
DAWSON	2018	KIDDER	9	46 52	99 45	1730		MID	LOUIS J GILLINGTON	2 3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	D S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	MID	MID	D S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP RTATION	2188	STARK	4	46 53	102 48	2480	7A	7A	LEROY WOOMAN	2 3 5 6
DRAKE	2288	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2385	DUNN	6	47 21	102 37	2191	8A	EA	FRANK R ROMMADS	2 3 5 7
DUNSEITH ST SANITARIUM	2395	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	24R2	LA MOURE	5	46 20	98 42	15R6	6P	6P	N D AGR1 EXP STA	2 3 4 5 7
EDMORE 1 W	2525	RAMSEY	2	48 25	88 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELGOWOOD	2570	MC LEAN	8	47 35	102 09	20R2	8P	6P	B M CASE	2 3 5
ELLENDALE	2805	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GRESS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 S 5
FAIRFIELD S N	2809	GILLINGS	7	47 19	103 12	2850		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	1D	46 54	96 48	885	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
FESSENDEN	2948	WELLS	5	47 39	99 37	1R10	8P	6P	JOHN V ZUBER	2 3 5 7
FLARIER	3009	MORTON	1	46 27	101 14	1930		8A	GMORGE W RINCLAIN	3
FORMAN	3117	RARGENT	10	46 08	97 38	1249	8P	6P	ART WATERMAN	2 3 5 7
FORT YATES	3207	SIOUX	R	46 0E	100 5R	1840	R8	S6	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1608	5P	5P	D S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	9R 25	1439	8P	RP	F O ALIN	2 3 5
GACKLE	3306	LOGAN	5	46 38	66 D6	1651	6P	6P	DAVID R HAWN	2 3 5
GARRISON	3376	MC LEAN	6	47 36	1D1 25	161I	MID	MID	MAE E VORACHEK	2 3 4 5
GLEN ULLIN	3496	MORTON	4	4R 46	101 48	209D		MID	LOUIS N GAUER	3 4
GOLVA 3 N	3558	GOLDEN VALLEY	7	48 47	1D3 56	299D		MID	ISADORE MARGULIES	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	46 25	87 2R	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	1D	47 56	67 D5	834	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	67 D5	63D	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	1D1 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	15D4	7P	7P	FRED ROSLE	2 3 5
GRENORA	3736	WILLIAMS	8	46 37	103 58	2114	5P	5P	L D MIELSON	2 3 5
HALLIDAY	3648	DUNN	6	47 21	1D2 20	2073		6P	JOHN MISEK	3
HANKINSON RE STATION	390R	RICHLAND	1D	46 D4	86 54	1D6E	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 19	96 12	1426		MID	BOWER A BENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1566	6P	6P	A E PRIOR	2 3 5
HANSBORO	3963	TOWNER	9	49 57	99 23	1597	7P	7P	W 9 DISHER	2 3 5
HARVEY WATER WORKS	4D13	WELLS	11	47 45	99 53	1586		6P	E J REYNOLDR	3
HAYNES 6 NE	4D73	ADAMS	1	46 D1	1D2 24	264D		MID	GYRON 6 BOSS	3 4
HAZELTON RR STATION	4093	EMMONS	6	4E 29	1DD 17	1976		MID	EPHRAIM ZACHER	3 4
HETTINGER EXP FARM	4176	ADAMS	3	46 DD	102 38	2675	6P	6P	N DAM EXP FARM	2 3 4 5 7
HILLSBORO	42D3	TRAILL	10	47 24	97 04	801	9P	6P	ALFRED JAINKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS E RUTH BUCHWITZ	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	4E 55	8R 41	1467	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 4D	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4648	WARD	12	48 40	1D2 D5	1799	MID	MID	THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4658	STUTSMAN	5	47 15	96 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 S6	4623	BOTTINEAU	12	48 39	1DD 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	48 21	88 16	1382	7P	7P	ANDREW REMICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	46 45	96 21	1615	6P	5P	V STURLAUGSON	2 3 5 7
LARIMORE	5013	GRAND FORKS	1D	47 54	67 36	1134	7P	7P	JESSE P PHILLIPS	2 3 5
LEEDS	5D76	BENSON	2	48 17	99 2R	1515	7P	7P	JOHN FAGRE	2 3 5
LINTON	521D	EMMONS	8	4E 16	1DD 14	1711	8P	8P	WM HEITERMAN	2 3 5 7
LISBON	522D	RANSOM	11	48 26	97 41	1D91	7A	7A	ROBERT M JODBAAS	2 3 5 7
MADDOCK AGR SCHOOL	5434	BENSON	11	47 39	69 30	1804	6P	6P	BENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	1DD 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	6	4R 47	1DD 52	17D0	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 49			8P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	4R 18	1D3 55	2714	6P	6P	S P GRAWE	2 3 5 7
MAX	5R38	MC LEAN	6	47 49	1D1 17	2D93	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5680	TRAILL	1D	47 30	67 19	975	6P	6P	E A RAGAZ	2 3 5 7
MC CLUSKY	571D	SHERIDAN	6	47 29	1DD 29	1943	11A	11A	J A HAMILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	8	46 36	102 66			MID	HARTVIG H HERMANSON	3 4
MC HENRY 5 N	5730	KUDY	11	47 36	96 3R	15D9	6P	8P	C E BLASKY	2 3 6 7
MCHENRY	5754	MCHENRY	11	48 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	57R4	NELSON	10	47 4R	88 11	1497		6P	H S ENIEFEL	3
MEDINA 1 W	6799	STUTSMAN	8	46 53	88 19			8P	RUDOLPH GRAF	3
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK RUPT	2 3 5
MEDORA TRUMP	5813	BILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5 7
MINOT CAA AP	5886	WARD	12	4R 15	101 17	1724	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5983	WARD	12	4R 10	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	48 41	100 1R	1760		9A	SOO LINE AGNT	3
MOHALL	6025	RENVILLE	12	48 4R	101 31	1639	9P	9P	IVER JOHNSON	2 S 5 7
MONTPELIER	8105	STUTSMAN	5	46 42	9R 35			8A	ROLF RANSOM	3
MOTT	E155	HETTINGER	1	48 23	102 20	2420	8S	SS	FOREST S COPING	2 3 4 5 7
MUNICH 4 SW	R195	CAVALIER	2	48 38	88 53	1598	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 2 SE	8255	LOGAN	8	46 28	89 43	1955	7P	7P	GLADYS J PETERSON	2 3 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2821	8A	8A	ADAM S HATCH	2 3 5
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550	9P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 R	6395	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 5
OAKES	6620	DICKEY	5	4R D6	98 05	1320	8A	8A	C W HAGEN	2 3 4 5
OMEMEE 3 SW	9703	BOTTINEAU	12	48 39	100 20			MID	ARTHUR S VOLLMER	3 4
PARK RIVER	R857	WALSH	10	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6887	MOUNTRAIL	8	47 57	102 09	1829	6P	6P	C E SHUBERT	2 3 5 7
PEMBINA CAA AP	6947	PEMBINA	1D	48 57	97 15	782	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 0I	98 00	1524	7P	7P	T C OVERLAND	2 3 6 7
PETTIBONE	7047	KIDDER	8	47 07	89 31	1860	7P	7P	L B DETHLOFF	2 3 5 7
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5 7
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FRIDA LEER	3
RAUB	7405	MC LEAN	R	47 44	102 04			MID	ALVIN LARSON	3 4
RERDER 14 N	7452	BLOPS	1	46 19	102 57	2880		8A	CHAS M METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	1D2 19	2487	7P	7P	ASSUMPTION ABBEY	2 3 5 7
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1810	5P	5P	CORPS OF ENGINEERS	2 3 4 5 8 7
ROLLA	7664	ROLETTE	9	48 52	99 37	18R0	7P	7P	THEO G FAGERLUND	2 3 5 7
RUGBY	7704	PIERCE	12	48 22	100 0D	15R0	6P	6P	FRANK HORNSTEIN	2 3 5 7
RYDER	7749	WARD	8	47 55	101 40	2108		9A	9 C SCHELLENBAUM	3
SANISR	7834	MOUNTRAIL	8	47 58	102 32	1835	7A	7A	H J BUGGE	2 3 5
SARLER	7844	CAVALIER	9	48 57	98 00	1585		MID	CLARENCE J OLSON	3 4
BEARING	7944	MC KENZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE 11 W	7952	SIOUX	8	46 D1	101 10	21R3		7P	L R WILSON	3
SHARON	7986	STEELE	10	47 3R	97 54	151R	8P	8P	HUGH LYON	2 3 5 7
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647		RP	D B CUSTOMS SERV	3
STANLEY	8276	MOUNTRAIL	8	48 19	1D2 24	2258	7P	7P	LEROY EDWARDS	2 3 5 7
STEELE	83S8	MIDDER	8	46 51	89 55	1857	8P	9P	LEON V LESHER	2 3 5 7
TAGOS	8E27	MOUNTRAIL	12	48 20	101 5E	2170		RP	GEORGE N PILGARD	S
TIOGA	8737	WILLIAMS	8	48 24	102 58	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	46 21	100 24	1492	7P	7P	AUGUST S RIEDNR	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUMENALD	3
TURTLE LAKE	9840	MC LEAN	R	47 31	100 53	1888	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	985D	RIDDER	8	47 02	100 04	1938		8P	ADAM LEHO	3
UNDERWOOD 12 W	8877	MC LEAN	R	47 28	101 24	1750	6P	8P	MRS F W MATTOON	2 3 5
UPSAN WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 D0	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	18R4	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	8P	6P	OSCAR ANDERSON	2 3 5 7
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WARDSTON POWER PLANT	9095	RICHLAND	1D	4R 17	96 36	962		MID	NEWTON O JONES	3 4
WASHBURN STATH SCHOOL	91DD	RICHLAND	1D	46 16	66 36	962	5P	5P	6T SCH OF SCIENCE	2 3 5 7
WALHALLA	9155	PEMBINA	6	48 56	8' 55	696		7P	PETER PAULUS	3
WASHBURN	6195	MC LEAN	R	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 4R	1D3 17	2084	8P	8P	J C ZELLER	2 3 5 7
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	15D6	6P	6P	REV R CAREY	2 3 5
WILDROSE	94D0	WILLIAMS	8	46 38	103 10	2256		EP	JONATSAN NIMRJER	3
WILLISTON WB CITY	6425	WILLIAMS	8	48 06	103 35	1677	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	6445	BOTTINEAU	12	48 36	1DD 17	1471	6P	8P	O W SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	6	47 D8	1DD 46	2159	8A	8A	SOO LINE AGENT	2 3 5
WISHEK	9515	MC INTOSH	8	4R 16	99 34	2010	8A	8A	B W LARSON	2 3 5

† DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 8 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Cheyenne; 12 Souris; 13 Yellowstone

See reference notes following Table 2.

Nat Hist
JUN 20 1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

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NOVEMBER 1949

Volume LVIII No. 11

CHICAGO: 1950

NAT. HIST.

NORTH DAKOTA - NOVEMBER 1949

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

With a mean temperature of 37.1 degrees, which is more than 10 degrees above normal, the state had its warmest November on record since statewide records began in 1892. Precipitation averaged slightly less than half of normal with the driest areas being in the west portion.The major precipitation occurred as snow from the 18th to the 25th with some stations in the east portion reporting substantial amounts on the 11th and 12th. There was no snow on the ground at the end of the month.

The mean temperature for the month was 37.1 degrees which is 10.3 degrees above normal. Breaking this down into divisions we find the east reported 34.8 for 8.3 degrees above, the central 36.8 for 10.4 degrees above, and the west 39.8 for 11.4 degrees above normal. Bowman reported 42.7 degrees for the highest mean temperature and Pembina reported 30.6 degrees for the lowest mean temperature giving a range of over 11 degrees across the state. The highest temperature was recorded as 75 degrees at Oakes on the 7th, and the lowest temperature was recorded as -13 degrees at Pembina on the 25th. For being the warmest November on record it appears quite unusual that no temperature extremes were recorded. This is explained largely by the fact that the day to day temperatures were consistently far above normal all month except for the brief period from the 18th to 24th when most stations in the east and central divisions had below normal temperatures. Thus the high temperature of 75 did not come close to the record high of 88 degrees recorded in November of 1909. Precipitation averaged 0.30 inch for the state which is 0.31 inch below normal. All stations in the west and all but a few scattered stations in the east and central divisions reported below normal precipitation for the month. The eastern division reported an average of 0.53 inch which is 0.19 inch below normal; the central division reported 0.31 inch or 0.28 inch below; and the western division measured 0.05 inch for a deficiency of 0.47 inch. Thus the southwest and west portions continue quite dry. Towner reported 1.19 inches for the heaviest precipitation during the month and several stations in the southwest reported no precipitation at all. Snowfall occurred at most stations in the east and central from about the 19th to the 24th in which amounts ranging up to 7 inches were measured. The heaviest snowfall was generally recorded in the northeast and northcentral portions. The return of very mild weather again on the 25th to the end of the month resulted in the very rapid disappearance of this snow and as a conse - quence there was no snow on the ground in the state at the end of the month. There were no severe storms reported during the month except for some slight damage to roofs from rather high wind on the 25th reported near Underwood.

The warm and dry weather was ideal for carrying on outdoor fall work for nearly every day of the month and much was accomplished. Livestock were able to feed on ranges, pastures, and stubble fields and as a result were in excellent condition. Little feeding had to be done and consequently the feed supplies were more and more available for the later winter months. There were several quite windy days particularly in the last half of the month that produced some mild duststorms in the west and southwest. This indicates that top soil moisture was not very adequate. Many areas of the southwest are decidedly dry and more moisture would be very desirable before the start of another crop season.

CJS

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ACKNOWLEDGMENT

In addition to the Climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Bydroclimatic Network Stations which were formerly reproduced in tbe Bydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of tbe Corps of Engineers, Department of tbe Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet tbe increasing needs of tbeir program in the Western States.

Previous to the introduction of this bulletin Series, data from Bydroclimatic Network Stations were presented in bulletins (Bydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of tbe data, distribution being listed to cooperating agencies and to certain public repositories. A list of locations where reference copies of tbe Bydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin bave been made available through the cooperation of various public offices, private agencies, and individuals as listed in tbe Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile					Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
BISMARCK AIRPORT	NW	25	12.0	56	NW	26	73	79	58	63	8	2	1	0	0	0	11	62	5.1	776
DEVILS LAKE			9.5	34	NW	26					8	5	2	0	0	0	15	52	6.2	931
FARGO AIRPORT	NNW	16	13.8	45	N	26	82	86	72	77	8	6	4	0	0	0	18	44	6.1	925
WILLISTON			8.8	47	W	23					6	0	0	0	0	0	6	70	5.5	728

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	22.3	75	-26	0.79	7.4	4
1893	22.4	74	-27	0.57	4.6	3
1894	23.1	71	-25	0.47	2.6	4
1895	20.6	76	-25	1.09	8.2	5
1896	8.1	62	-32	2.23	21.7	9
1897	20.0	86	-28	0.32	2.8	3
1898	23.0	69	-30	0.34	3.1	3
1899	36.0	68	2	0.31	1.0	2
1900	20.4	64	-29	0.32	5.2	5
1901	26.8	70	- 7	0.13	1.6	1
1902	29.6	69	-12	0.24	1.9	3
1903	25.3	78	-20	0.26	2.5	2
1904	35.7	80	-10	0.09	0.7	1
1905	31.6	88	-38	1.36	11.0	9
1906	23.8	68	-16	1.49	10.2	7
1907	30.2	85	-15	0.08	0.7	1
1908	31.1	75	-15	0.94	8.2	4
1909	29.4	88	-23	0.48	4.6	3
1910	23.9	68	-23	0.40	3.2	2
1911	16.7	58	-33	0.64	7.1	6
1912	31.8	70	1	0.07	0.5	1
1913	34.1	77	- 2	0.22	1.6	2
1914	30.7	83	-30	0.33	2.6	2
1915	28.1	71	-10	0.95	3.7	4
1916	28.6	75	-18	0.27	1.7	2
1917	36.8	77	- 7	0.13	1.4	1
1918	28.9	71	-18	0.96	5.3	4
1919	15.6	57	-36	1.15	11.8	5
1920	28.0	65	-14	0.34	2.1	3
1921	21.0	69	-30	0.69	6.3	5
1922	31.8	65	- 8	2.24	6.3	6
1923	36.5	72	- 5	0.47	0.6	3
1924	27.6	69	-15	0.18	1.9	2
1925	28.8	69	-17	0.24	1.3	2
1926	21.5	68	-23	0.62	6.2	5
1927	20.7	59	-24	0.69	7.1	6
1928	31.0	70	-11	0.48	0.2	1
1929	24.8	70	-21	0.53	5.2	5
1930	29.4	72	-21	0.87	6.2	5
1931	30.3	78	-10	0.55	5.0	3
1932	25.2	70	-17	0.51	4.6	4
1933	28.3	78	-15	0.65	6.6	5
1934	33.9	73	- 1	0.28	1.0	3
1935	17.2	57	-25	0.73	8.1	6
1936	28.0	69	-28	0.34	4.0	4
1937	25.2	73	-25	0.41	3.5	4
1938	23.8	75	-21	0.87	7.9	6
1939	34.9	74	- 4	0.03	T	1
1940	22.0	59	-28	0.59	7.1	6
1941	30.5	69	-17	0.26	3.6	5
1942	28.0	73	-14	0.18	1.5	3
1943	28.7	63	- 4	0.44	4.2	4
1944	27.1	70	-21	2.25	8.8	9
1945	22.3	75	-26	0.48	5.3	4
1946	25.3	68	-22	0.35	3.3	4
1947	22.5	63	-19	1.05	11.1	9
1948	29.4	68	-19	1.11	3.9	8
1949	37.1	75	-13	0.30	2.2	4
PER100	26.8	88	-38	0.61	4.7	

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in F°, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Amounts in Table 4 are from recording gages. Traces are not shown.

No Record in Tables 3, 4, 6, 7 and the Station Index is indicated by a dash. No Record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Data in Tables 3, 5 and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

+ And also on a later date or dates.
* Amount included in following measurement, time distribution unknown.
// Gage is equipped with a windshield.
6 Precipitation measured at 6-hourly intervals, no recording gage.
8 Adjusted to a full month.
E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M One or more days of record missing; see Table 5 for detailed daily record.
R Station equipped with recording gage only.
S Storage precipitation station. Precipitation measurements, made at irregular intervals will be published in the June issue of this publication.
T Trace, an amount too small to measure.
V Includes total for previous month.
Z Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15 cents per copy, Monthly and Annual; $1.50 per year.(Yearly subscription includes the Annual Summary). Checks, postal notes and money orders should be made payable to the Treasurer of the United States.Remittances and correspondence regarding subscriptions should be sent to the Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois.

Table 2

CLIMATOLOGICAL DATA

Station	Temperature						No. of days		Precipitation							No. of days		
													Snow, Sleet, Hail					
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN OIVISION																		
AMENIA	35.9		68	5+	7	25		24	.53		.18	20	4.0	3	24+	4		
ARVILLA STATE PARK	33.5		67	6	3	23		26	.59		.13	12	3.8			7		
CARRINGTON	33.4M	6.1	69	7	1	21		29	.23	- .32	.20	24	4.0	4	24+	2		
CAVALIER POWER PLANT	33.4	8.7	69	6	0	25		24	1.07	.33	.22	19+	4.1	3	24+	9		
COOPERSTOWN	34.5	7.2	66	6	2	21		27	.54	- .10	.24	24	7.0			3		
DEVILS LAKE WB CITY	33.9	9.4	68	6	4	21		25	.55	- .17	.27	23	5.4	5	24+	7	1	
EGELFY EXP FARM	37.8	8.5	70	6	8	21		27	.16	- .36	.10	12		1	23	3		
EMORE 1 W	32.6	8.0	65	6	- 2	23		28	.33	- .29	.08	16	4.0	4	24	5		
ELLENDALE	39.8	11.4	72	6	11	21		22	.35	- .21	.25	12	0.8	1	23	3	1	
FARGO W8 AIRPORT	34.1	7.0	65	3+	2	25		26	.79	- .11	.20	20	5.3	4	24+	10		
FORMAN	37.4	8.8	67	3	11	21		25	.57		.35	12	3.5	3	23	3	1	
FULLERTON	39.0	10.0	69	5	13	24		22	.38	- .33	.20	11	0.8	1	23	2		
GRAFTON STATE SCHOOL	34.3M	9.3	70	6	- 2	25		24	.67E	- .02	.18	12		1	20+	7		
GRAND FORKS CAA	33.1	7.3	66	6	- 1	25		27	.65	- .14	.12	12+	2.7	2	24+	13		
GRAND FORKS UNIVERSITY	33.6	7.8	67	6	1	25		27	.70	- .09	.20	12	2.8	2	24+	10		
HANNAH	31.8	11.1	68	6	- 1	23		30	.82E	.13	.21	16	6.8	3	24+	8		
HILLSBORO	34.1	6.8	68	6	- 2	25		25	.54	- .22	.15	12		T	19+	6		
JAMESTOWN CAA	35.9	8.6	69	6	8	21		27	.45	- .22	.18	23	3.7	2	23+	7		
JAMESTOWN STATE HOSP	36.8	9.5	69	6	9	21		25	.36	- .31	.15	23	3.0			5		
KENSAL WILDLIFE REFUGE	33.0		62	5	2	21		26	.33		.12	20	3.5	2	20+	3		
LA MOURE	37.9		70	6	11	21		25	.36		.24	11	2.6	3	23	4		
LANGDON EXP FARM	31.6	7.9	66	6	- 1	23		29	.56	- .17	.13	16	4.0	2	24+	8		
LISBON	35.9	7.1	70	6	9	25		28	.55	- .08	.34	12				3	1	
MAYVILLE	34.9	7.1	67	6	4	25		24	.68	- .03	.16	24	3.2	2	24+	9		
MC HENRY 5 N	34.1	7.5	66	6	0	21		27	.51	- .03	.16	11	3.7	4	24+	8		
MC LEOD 3 E	37.5	7.8	68	6	6	21		26	.70	.07	.35	12				3	2	
MONTPELIER	34.5		67	6	6	21		29	.41		.23	12	2.5	2	24	3		
MUNICH 4 SW	31.7		66	6	- 1	23		29	.52		.11	16	2.4	3	24+	6		
OAKES	36.7	8.1	75	7	11	24		30	.45	- .11	.29	12		2	24	3	1	
PARK RIVER	34.3	7.3	67	6	2	25		23	.54	- .09	.18	12		1	20+	7		
PEMBINA CAA	30.6	7.2	67	6	-13	25		28	.92	.17	.16	11	3.4	3	26+	14		
PETERSBURG	32.5		68	6+	0	22		27	.37	- .27	.17	12	2.0	2	25	5		
SHARON	34.8M	10.1	67	6	12	23		27	.86	.14	.22	12		3	24+	8		
VALLEY CITY	37.1	9.1	65	5+	9	21		25	.64	- .04	.25	12		3	20	4	1	
WAHPETON STATE SCHOOL	36.7	7.7	66	3+	9	21		22	.70	.01	.25	12	5.0	3	24	5	1	
OIVISION	34.8	8.3							.53	- .19			3.6					
MIDDLE OIVISION																		
ASHLEY	38.1	10.1	68	6	7	21		24	.23	- .32	.23	11	T			1		
BELCOURT INDIAN RES	32.0		67	5	- 4	23		27	.45		.16	20				6		
BISBEE	33.1M	6.7	68	7	3	23		29	.35	- .12	.11	20	3.8	4	24+	4		
BISMARCK WB CITY	40.6	12.1	71	6	7	21		23	.17	- .31	.13	24	1.3			2		
BISMARCK WB AIRPORT	39.1	12.6	70	5	6	21		24	.20	- .37	.13	23	2.2	1	23	3		
BOTTINEAU	34.2	10.6	67	6	- 2	21		28	.75	.28	.22	23+	4.7	4	23+	5		
BOTTINEAU STATE PARK	35.0		65	5+	6	25		26	.35		.15	20+	2.0			3		
BUTTE	38.9	12.4	70	5	8	21		22	.12	- .48	.06	23				4		
CARSON 2 SW	40.7	10.9	70	3+	8	21		26	.02	- .55	.02	20	0.5	T	20	1		
CENTER	38.1	9.6	70	6	3	21		25	.12	- .39	.10	23	1.1			2		
DRAKE	37.0	11.1	70	28	6	21		27	.91	.37	.60	26				3	1	
DUNSEITH ST SANITARIUM	34.6	10.5	67	4	0	21+		26	.48	- .02	.20	20		2	20+	3		
ECKMAN	33.4	8.0	71	7	0	21		30	.48	- .01	.23	20	4.0	3	24+	3		
FESSENDEN	35.8	9.2	70	6	5	21		27	.13	- .47	.09	20		1	20	2		
FORT YATES	40.0M	10.0	71	3+	10	21		27	T	- .45	T	20+	T					
FOXHOLM WILDLIFE REF	38.5	12.9	71	5	5	21		25	.04	- .64	.03	20	1.0	1	20	2		
GARRISON	37.7	11.2	68	6	6	21		29	.12	- .37	.10	23				2		
GRANVILLE	37.4	11.0	73	6	9	21		25	.27	- .27	.15	23	2.0	2	23+	2		
HANSBORO	32.6M	9.1	70	6	- 2	23			.41	- .13	.09	20	5.0	4	23	8		
LEEDS	33.3		63	6	- 9	23		27	.76		.30	23				7	1	
LINTON	38.7	9.9	71	3	10	21		27	.01	- .44	.01	24				1		
MADDOCK AGR SCHOOL	35.0	8.8	68	6	1	21		26	.63	.12	.28	20				4	1	
MANDAN EXP STATION	38.5	9.6	71	7	8	21		26	.11	- .41	.10	24	0.5	T	24	2		
MANDAN FT LINCOLN PARK	40.9		72	6	8	21		23	.09		.06	23		1	23	3		
MAX	36.8	11.1	67	7	3	21		28	.10	- .40	.07	24	0.3	T	20+	2		
MC CLUSKY	37.7 M	12.1	69	7	7	21		27	.19	- .36	.16	24		T	24	3		
MINOT CAA	37.9	10.5	70	6	6	21		25	.10	- .56	.08	23	1.0	T	20+	3		
MINOT EXP FARM	38.0		68	6	5	21		25	.05		.03	23		T	20+	2		
MOHALL	36.9	11.9	70	6	2	21		28	.19	- .35						4		
NAPOLEON 2 SE	37.4	10.6	66	3+	6	21		26	.17	- .41			1.5	1	23	6		
NEW SALEM 1 S	39.2	9.6	72	3	9	22		26	.12	- .36	.09	23	0.4			4		
PETTIBONE	36.4	10.3	69	6	5	21		27	.25	- .28			2.0	1	20	6		
RIVEROALE	37.6		68	7	9	21		26	.09		.09	24				1		
ROLLA	33.4	10.2	68	5	1	23+		25	.61	.06	.20	20	5.0	4	23+	8		
RUGBY	35.5		68	6	0	21		26	.67	.15	.27	26	7.0	2	23	4	1	
STEELE	36.4	9.9	68	5+	13	25		28	.10	- .37	.05	20	1.0	T	1+	2		
TOWNER	34.5	9.1	70	6	- 2	21		30	1.19	.66	.54	12				4	2	
UNDERWOOD 12 W	38.4	10.1	70	6	6	21		26	.14	- .31	.14	24				1		
UPHAM WILOLIFE REFUGE	36.1		70	6	- 1	21		25	.76				6.7	6	23+	4	2	
VELVA	38.0	10.6	71	6	8	21		26	.13	- .51	.11	23	1.2	1	23	2		
WASHBURN	40.4	11.0	73	7	10	21		22	.11	- .33	.06	30	2.0			2		
WESTHOPE	34.6	9.5	70	6	- 1	21		29	.49	- .06	.18	23+	6.0	5	23+	4		
WILLOW CITY	33.6	10.9	70	6	- 5	21		28	.64	.08	.19	23	7.7	1	26	6		
WILTON RR STATION	36.3M	9.0	67	7	8	21+		26	.15	- .33	.08	24	5.0	2	20+	4		
OIVISION	36.8	10.4							.31	- .28			2.6					

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 SW	42.0		69	3+	11	21		18	.03		.03	23	T			1		
AMIDON	41.4M	10.8	70	6	10	21			T	- .41	T	20+	T					
BEACH	41.0	10.3	72	3	9	21		22	T	- .46	T	20+	T	T	30			
BELFIELD	40.7	11.3	71	6	8	21		24	.10	- .38	.10	30				1		
BOWBELLS RR STATION	36.9	10.7	67	7	5	21		25	.05	- .41	.05	12	T			1		
BOWMAN COURT HOUSE	42.7	12.2	71	6	10	21		15	T	- .38	T	23+	T	T	23+			
CROSBY	36.5	10.0	66	4	13	21		29	.11	- .45	.11	24	1.0	1	24	1		
DICKINSON CAA	40.5	12.3	70	6	9	21		22	.06	- .42	.05	30	T			2		
DICKINSON EXP STATION	39.3	11.1	72	7	6	21		26	.01	- .47	.01	24	0.1	T	20+	1		
DUNN CENTER	39.3	11.4	71	7	9	21		28	T	- .44	T	13+	T					
ELBOWOODS	38.1	9.7	71	6	10	18+		28	.03	- .37	.02	30		T	18+	2		
EPPING	41.1	14.8	70	6	12	20+		26	T	- .43	T	20+	T	T	20+			
GRENORA	37.6	11.5	65	3+	11	21		27	T	- .55	T	18	T					
HETTINGER EXP FARM	42.2	10.8	70	3+	7	21		28	.00	- .40	.00	1+						
KENMARE	38.3	12.0	70	6	7	21		24	.18	- .36	.08	24+	1.5			3		
MARMARTH	40.0 M	9.1			10	21		25	T	- .37	T	20+	T					
MEDORA STATE PARK	39.9	9.8	71	6	8	21		27	T	- .48	T	13	T	T	13+			
MEDORA T R N M P	39.9		71	3+	6	21		25	.05		.03	30	T	T	20+	2		
MOTT	40.5	11.2	74	3	5	21		27	.00	- .46	.00	1+						
NEW ENGLAND	42.1	12.7	72	6	7	21		27	.00	- .45	.00	1+						
PARSHALL	38.4	12.9	68	4+	5	21		26	.13	- .26	.13	23	T			1		
PORTAL	36.0M	11.0	68	7	5	21		27	.21	- .31	.15	24	2.0	2	24	2		
RICHARDTON ABBEY	42.4	13.7	70	3+	9	20+		17	.06	- .46	.05	23	0.1	T	20+	2		
SANISH	36.0	8.0	72	7	9	21+		30	.08	- .45	.08	24	T			1		
VAN HOOK	39.6		70	6	10	21		23	.08		.07	23	0.5			2		
WATFORD CITY	40.5	12.0	70	6	9	21		22	.06	- .43	.03	23+	0.4	T	30	2		
WILLISTON WB CITY	40.6	13.4	69	3	15	21		21	T	- .58	T	19+	T	T	20			
DIVISION	39.8	11.4							.05	- .47			0.2					
STATE	37.1	10.3							.30	- .31			2.2					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA

NOVEMBER 1949

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S		.18										.65		-			T	T		.25				.22	.12	T	.15					-
ALEXANDER R R STATION																				T			.03							T	T
ALMONT 7 SW													T							.03											.03
ALPRA 1 S																				T			T							T	T
AMENIA												.14		.05					T	.18				.16							.53
AMIOON	Z																			T			T								T
ARVILLA STATE PARK												.13				.08			.07	.09			.10	.05		.07					.59
ASHLEY	2										.23									T			T		T						.23
BALFOUR R R STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			.05	.05			.15		.04						-
BEACH																				T			T							T	T
BELCOURT INDIAN RES											T		T		T	.03			.04	.16			.10		*	.12					.45
BELFIELD																														.10	.10
BEULAH																							.04							T	.04
BISBEE		T												T					T	.11			.10	.06		.08					.35
BISMARCK WB CITY																				T	.04			.13	T	T					.17
BISMARCK WB AIRPORT	Z	T										T	T						T	.04	T	T	.13	T	T					.03	.20
BOTTINEAU		.08			T											T				.20			.22	.03		.22	T				.75
BOTTINEAU STATE PARK															T				.05	.15					.15						.35
BOWBELLS R R STATION											T	.05								T	T	T	T	T	T	T					.05
BOWMAN COURT HOUSE	Z																			T			T							T	T
BREIEN	R																			.07			.07								.07
BUTTE		.01			T														.02	.03			.08		T						.12
CARRINGTON																				.03				.20							.23
CARSON	R																														.00
CARSON 2 S W																				.02			T		T						.02
CAVALIER POWER PLANT		.02									.05	.20				.11	T	T	.22	.03	T		.09	.22	T	.13	T				1.07
CENTER																				.02			.10	T							.12
COLGATE																				.35			.16								.51
COOPERSTOWN		T									T	.10				T			T	.20				.24							.54
COURTENAY		.03																		.08			.21								.32
CROSBY																				T			T	.11	T	T					.11
DAWSON	R																		*	.07			.10								.17
DEVILS LAKE W B CITY	Z	.01			T						T		T	T	.02	T			.02	.15		T	.27	.02	.06	T	T				.55
DICKINSON CAA	Z	T											T							T			.01							.05	.08
DICKINSON EXP STATION													T							T	T		T	.01							.01
DRAKE																				.16				.15		.80					.91
DUNN CENTER													T		T					T				T							T
DUNSEITH ST SANITARIUM		T									T				T				T	.20			.17			.11	T				.48
ECKMAN																				.23				.18		.07					.46
EDGELEY EXP FARM	2	T									T	.10								.01			.05		T						.16
EGMORE 1 W		T									T		T	T		.08			.06	.06				.07		.06		T			.33
ELBOWOODS																		T					.01							.02	.03
ELLENDALE			T								T	.25							T	.05	T		.05	T			T				.35
EPPING																				T			T								T
ESMOND	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-						-
FAIRFIELD 9 N																			T				.03							.02	.05
FARGO WB AIRPORT	2	T	T								.10	.15	T	.01	.03	.01	T		.01	.20	T	T	.18	.03	.07	T	T	*			.79
FESSENDEN		.04			T															.09											.13
FLASHER																															.00
FORMAN											T	.35								.04			.18			T					.57
FORT YATES	2																			T			T	T							T
FOXHOLM WILDLIFE REF																				.03			.01		T						.04
FULLERTON											.20								T	T			.18								.38
GACKLE				T							.32					T			T	T			.05								.37
GARRISON																			T	.02			.10		T					T	12
GLEN ULLIN	R											.02											.05							.03	.10
GOLVA 3 N	R																													.07	.07
GRAFTON STATE SCHOOL		T									T	.18		T		.12			.12	.07		.04	T	.04	T	.10	T				.67
GRAND FORKS CAA	Z	.01		T							.02	.12	.02	T	.08	.02	T		.07	.03	T		.07	.06	.12	.02	.01				.65
GRAND FORKS UNIVERSITY		T	T								T	.20	.06	.02		.12	T		.04	.04			.03	.04	T	.14	.01	T			.70
GRANO	R//																		.04	.06			.28	.02	.06						.46
GRANVILLE		T																	T	.12			.15		T						.27
GRENORA																		T													T
HALLIDAY														T						T			.06								.06
HANNAFORD	R																			-		-	-	-	-						-
HANNAH		.10										.03	T			.21			.18	.09			.03	.08	T	.10					.82
HANSBORO												T			.02	.04			.08	.09			.06	.05	.05	.02					.41
HARVEY WATER WORKS																			.02	.10			.09		T						.21
HAYNES 6 NE																															.00
HAZELTON R R STATION	R//																			*	*	*	.15								.15
HETTINGER EXP FARM	2																														.00
HILLSBORO		T									T	.15	T	T		.05			.07	.08			.14	T		.05	T				.54
HUROSFIELD	R																		.11	.11			.10								.32
JAMESTOWN CAA	2	.01									.07	T				T			.08	.09	.01		.18	.01	T						.45
JAMESTOWN STATE HOSP											.03	.04							.05	.09			.15		T	T					.36
KENMARE																				.02				.08		.08					.16
KENSAL WILDLIFE REFUGE											.10								T	.12			.11								.33
KRAMER 5 SE	R																		.10	.22			.13		.08	.02					.54
LA MOURE			T							T	.24	T							.02	T			.08			.02					.36
LANGDON EXP FARM		.02										.01				.13			.12	.09				.08		.09	.02				.56
LEEDS		T									.06				.02				.05	.20			.30	.05	T	.08	T				.78
LINTON													T											.01							.01
LISBON												.34								.10				.11		T					.55
MADOCK AGR SCHOOL		T													T			.04		.28			.22		.09					.63
MANDAN EXP STATION	2												T							.01	T			.10							.11
MANDAN FORT LINCOLN PARK																				.02			.06	.01	T						.08
MARMARTH																				T			T				T				T
MARTIN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			T	.10			.12		T	T					-
MAX																				T	.03			.07							.10
MAYVILLE		.06	T									.13		.01		.07	T		.02	.10			.04	.16	T	.09	T				.61
MC CLUSKY																					.02		.01	.16							.19
MC GREGOR RR STATION	R																						.16								.16
MC HENRY 5 N		.02									.16	.03				T			.04	.11			.04	.03		.08					.5
MC LEOD 3 E												.35								.10				.25	T						.70
MC VILLE		.02									.18			.02		.03			.04	.24			.12			.04					.65
MEDINA 1 W											.12								.04					.06							2
MEDORA STATE PARK													T								T										T
MEDORA T R N M P																				.02										.03	.0
MELVILLE	R	-	-	-	-	-	-	-	-	-	-	-	-	-						.10			.07		.01	.02					-
MINOT CAA	Z	T																	.01	.01			.08		T	T	T				I
MINOT EXP FARM		T																	T	.02			.03								.0
MOFFIT RR STATION	2																		T	T			T	T							T
MORALL																			*	*			*		.19						.1
MONTPELIER			T									23								.05	T			.13		T					.4
MOTT	Z																														.0

See reference notes following Station Index

Table 3—Continued

DAILY PRECIPITATION

NORTH DAKOTA

NOVEMBER 1948

Station	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW					T						T		T	.08		.11			.09	.07			T	.10		.07						.52
NAPOLEON 2 SE	T	.01									.04									.03		*	.05	.03	T							.17
NEW ENGLAND																																.00
NEW ROCKFORD 5 NW	T										T					T			.02	.25			.12	T		.13					.53
NEW SALEM 1 S													.01							.01			.08	.01							.12
OAKES 2												.28								.03				.13		T					.45
OMEMEE 3 SE R																	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
PARK RIVER	T							T			.01	.18	T			.05			.10	.08		T	T	.05		.08	T					.54
PARSHALL																			T	T			.13	T	T		T					.13
PEMBINA CAA 2	.01	T									.15	.13	.01	T	.05	.05	.01	.12	.15	.06	T	T	.03	.02	.08	.04	T		T			.92
PETERSBURG	T											.17			T							.08		.03	.03		.05					.37
PETTIBONE R	.01																		*	.10			.08	.03		.02						.25
PORTAL									T		T									T			T	.15		.08						.21
PRETTY ROCK																			.02				.05									.07
RAUB N																							.10									.10
REEDER 14 W																								.02								.02
RICHARDTON ABBEY													T							.01			.05				T					.05
RIVERDALE Z		T												T						T	T			.09		T						.09
ROLETTE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.02	.15			.38		.10							-
ROLLA				T							.01		T		.04	.03			.05	.20		T	.14	.02	T	.12						.81
RUGBY																			.22				.15			.27	.03					.87
RYDER																				*	.02			.02		T						.04
SARLES R//											.05				.15				.08	.08			.04	.13	.08	T		T				.08
SELFRIDGE 11 W													T									T	T									.81
SHARON	T										T	.22	T	.08		.05			.08	.20			.12	.08		.05						T
SHERWOOD																			.10	.06			.08		.05							.88
SHEYENNE R	-	-	-	-	-	-	-	-	-	-	-	-	-	-					.04	.20			.07	.01	-							.29
STEELE	T																			.05			.05	T	T							-
TAGOS	T										T								T	.04			.10		.02							.10
TIOGA																				T			.10									.15
TOWNER												.54								.18	.14			.32								.10
TROTTERS												T								T			.01				T			.02		1.19
TUTTLE 8 SW																				.06				.12	.08							.03
UNDERWOOD 12 W	T													T						T		T	.14							T		.25
UPHAM WILDLIFE REFUGE																			.02	.30			.35			.09	T					.14
VALLEY CITY	T											.25							T	.19			.19		.01							.78
VAN BOOK																			T	T			.07	.01								.64
VELVA	T															T			T	.02	T		.11	T	T							.08
VERONA													.45													.05							.13
WAHPETON POWER PLANT R											.20	.19		.08						.19			.10	.01								.50
WAHPETON STATE SCHOOL	T											.25	T	.09		T				.18			.10	.10		T						.77
WALHALLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							.70
WASHBURN																				T	T		.05		T					.06		-
WATFORD CITY																							.03							.03		.11
WESTHOPE	T			T											T				.07	.14			.18		.10							.05
WILDROSE																			T				.16		T		T					.49
WILLISTON WB CITY R																			T	T			T		T		T			T		.18
WILLOW CITY	.02														.03				.04	.18			.19	T	.18		T					T
WILTON RR STATION																				.05	.01			.08		..01						.54
																																.15

See reference notes following Station Index

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA

NOVEMBER 1949

Station		A.M. Hour ending												P.M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																										
BALFOUR R R STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVILS LAKE WB CITY																.01										.01
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MELVILLE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAPOLEON 1 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROLETTE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHEYENNE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—10th—																										
NAPOLEON 1 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-
—11th—																										
ASHLEY	//															.03	.10	.04								.17
EDGELEY EXP FARM																				.01	.02	.03	.06	.01	.01	.14
FARGO WB AIRPORT	//																							.04	.06	.10
GRAND FORKS CAA	//																						.03	.02	.02	.07
JAMESTOWN CAA	//													.01					.01	.01	.02	.02			.01	.08
NAPOLEON 1 SE								.02			.01															.03
OAKES																					.06	.03	.01	.01	.02	.13
PEMBINA CAA	//																	.01	.01	.01		.01		.01	.10	.15
SARLES 3 E	//																•	•	•	•	.05					.05
WAHPETON POWER PLANT																				.05	.13			.01	.01	.20
—12th—																										
FARGO WB AIRPORT	//	.05	.03	.04	.03																					.15
GLEN ULLIN									.01	.01																.02
GRAND FORKS CAA	//	.01	.03	.04	.01																					.09
MELVILLE		-	-	-	-	-	-	-	-	-	-	-	-													-
OAKES		.06	.03	.01																						.10
PEMBINA CAA	//	.04	.03	.03																						.10
WAHPETON POWER PLANT		.07	.02	.03	.05	.02																				.19
—13th—																										
GRAND FORKS CAA	//																			.01		.01	.01			.03
—14th—																										
FARGO WB AIRPORT	//											.01														.01
SHEYENNE		-	-	-	-	-	-	-	-	-	-	-	-	-												-
WAHPETON POWER PLANT								.01	.01	.04	.02															.08
—15th—																										
DEVILS LAKE WB CITY																				.01	.01					.02
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-
FARGO WB AIRPORT	//																							.03		.03
GRAND FORKS CAA	//																					.06	.03			.09
PEMBINA CAA	//																					.02	.01	.02		.05
SARLES 3 E	//																			•	•	•	.15			.15
—16th—																										
BALFOUR R R STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//							.01																		.01
GRAND FORKS CAA	//		.01		.01		.01																			.03
PEMBINA CAA	//																.01	.03	.01							.05
—17th—																										
OMEMEE 3 SE																			-	-	-	-	-	-	-	-
—18th—																										
PEMBINA CAA	//																				.01	.04	.05		.02	.12
ROLETTE		-	-	-	-	-	-	-	-	-	-	-	-													-
—19th—																										
BALFOUR R R STATION															.01	.02	.01	.01								.05
DAWSON														•	•	•	•	•	•	•	•	•	•	•	•	•
DEVILS LAKE WB CITY					.01											.01										.02
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//																				.01					.01
GRAND FORKS CAA	//							.01	.02	.01			.01													.05
GRANO	//																						.01	.02	.01	.04
HANNAFORD														-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD																.03	.03	.04					.01			.11
JAMESTOWN CAA	//															.01	.01	.02	.02						.01	.07
KRAMER 5 SE												.01	.01	.01	.02	.02									.03	.10
MINOT CAA	//																								.02	.02
PEMBINA CAA	//		.02	.01	.04	.01		.01	.04	.02		.01														.16
PETTIBONE																.01	.01	.01			.01					.04
ROLETTE																									.02	.02
SARLES 3 E	//			.01	.02					.02	.02		.01			.01										.09
SHEYENNE															.01	.01	.02									.04
—20th—																										
AMIDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR R R STATION		.02	.03																							.05
BISMARCK WB AIRPORT											.01		.01									.01			.01	.04
DAWSON		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.07							.07
DEVILS LAKE WB CITY			.03	.04	.05	.02				.01																.11
FARGO WB AIRPORT	//				.02	.04	.05	.04	.02	.02									.01							.20
GRAND FORKS CAA	//		.01	.01	.01		.01		.01																	.03
GRANO	//	.01	.01	.01	.01	.01	.01																			.06
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAZELTON R R STATION	//	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HURDSFIELD		.01	.01	.03	.02					.02		.02														.13
JAMESTOWN CAA	//	.02			.02	.03													.02						.01	.10
KRAMER 5 SE		.04	.09	.05	.01	.01												.01	.01							.21
MANDAN EXP STATION				.01																						.07
MELVILLE		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.10							.10
MINOT CAA	//	.02	.01																							.03
NAPOLEON 1 SE		.01	.01	.01							.01		.01													.03
OAKES		-	-	-	-	-	-	-																		-
PEMBINA CAA	//			.01	.02	.02				.01																.04
PETTIBONE		.01	.01			.01																				.03
ROLETTE		.03	.07	.03	.02																					.12
SARLES 3 E	//	.01	.03	.02				.01		.01	.01															.09

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
SHEYENNE			.05	.05	.05	.02		.01	.01		.01															.20
WAHPETON POWER PLANT						.01	.07	.02	.02	.02	.03	.01	.01													.19
—21st—																										
JAMESTOWN CAA	//		.01																							.01
AMIDON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR R R STATION													.04	.06	.01		.01	.01	.01	.01						.15
BISMARCK WB AIRPORT													.07								.03	.02	.01			.13
BREIEN											*	*	*	*	*	*	*	*	*	*	*	.07				.07
DAWSON		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.10
DEVILS LAKE WB CITY															.03	.10	.05		.01	.04	.02	.02				.27
EDGELEY EXP FARM															.06	.03	.01									.10
FARGO WB AIRPORT	//											.01		.01	.03			.04	.05	.02	.01	.01	.02	.01	.02	.18
GLEN ULLIN																										.05
GRAND FORKS CAA	//																	.01	.04	.03						.08
GRANO	//										.01	.06	.13	.01	.01	.01	.01	.01	.03							.28
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAZELTON R R STATION	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.15	.15
HURDSFIELD													.01	.03	.01				.01	.02	.02					.10
JAMESTOWN CAA	//													.03	.07	.08	.02	.02					.02	.01	.02	.27
KRAMER 5 SE													.03	.03	.04			.01	.02							.13
MANDAN EXP STATION												.07	.03						.01	.02						.13
MC GREGOR RR STATION											.05	.01				.06	.01	.01	.01	.01						.16
MELVILLE															.04	.01	.01		.01							.07
MINOT CAA	//											.01	.06					.03		.01			.01			.12
NAPOLEON 1 SE														.05	.01						.01		.01			.08
OAKES															.05	.05	.01		.01				.01		.01	.14
PEMBINA CAA	//																		.01	.03			.01			.05
PETTIBONE														.03	.03	.02				.01	.02					.11
RAUB	//															.01	.01	.02	.05	.01						.10
RIVERDALE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROLETTE														.10	.09	.06	.01	.02	.05	.02						.35
SARLES 3 E	//															.01	.02			.01						.04
SHEYENNE															.02	.02	.02			.01						.07
WAHPETON POWER PLANT																		.01	.02	.06					.01	.10
—24th—																										
DEVILS LAKE WB CITY								.01	.01																	.02
FARGO WB AIRPORT	//	.01	.01								.01															.03
GRAND FORKS CAA	//									.01		.01						.02								.04
GRANO	//		.01	.01																						.02
NAPOLEON 1 SE									.02	.01		.01														.04
PEMBINA CAA	//													.02												.02
PETTIBONE													.01													.01
SARLES 3 E	//	.01		.01		.01	.01	.03					.01	.01		.03	.01									.13
SHEYENNE			.01																							.01
WAHPETON POWER PLANT		.01																								.01
—25th—																										
BALFOUR R R STATION																		.02	.01	.01						.04
DEVILS LAKE WB CITY																					.03	.02	.01			.06
FARGO WB AIRPORT	//																						.02	.03	.02	.07
GRAND FORKS CAA	//																					.05	.08	.01	.01	.15
GRANO	//																	.02	.02	.01					.01	.06
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE																			.04	.04						.08
MELVILLE																						.01				.01
PEMBINA CAA	//																					.04	.06	.05		.15
PETTIBONE																								.01	.01	.02
ROLETTE																				.05	.04	.01				.10
SARLES 3 E	//																		.01		.02	.01			.02	.06
SHEYENNE														-	-	-	-	-	-	-	-	-	-	-	-	-
—26th—																										
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-													-
GRAND FORKS CAA	//	.01		.01	.01																					.03
JAMESTOWN CAA	//			.02																						.02
KRAMER 5 SE			.01	.01																						.02
MELVILLE			.01	.01																						.02
PEMBINA CAA	//	.02	.01	.01		.01																				.05
PETTIBONE		.01																								.01
—30th—																										
BISMARCK WB AIRPORT																								.01	.02	.03
BOWMAN COURT HOUSE	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.02							.02
DICKINSON CAA																						.01	.02	.01	.01	.05
GLEN ULLIN																								.01	.02	.03
GOLVA																	-			*	*	*	*	*	.07	
MANDAN EXP STATION																							.01	.01		.02
OMEMSE 3 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See reference notes following Station Index.

Table 5

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	56	49	89	59	69	69	62	48	60	51	50	58	51	43	54	41	39	81	54	37	42	52	50	48	51	57	89	88	49	45		53.7
	MIN	41	27	39	32	39	38	39	35	36	35	32	28	39	30	25	29	15	25	36	23	11	31	23	21	24	33	30	35	32	28		30.3
AMENIA	MAX	54	37	62	58	68	68	63	54	62	53	51	49	42	39	45	40	38	53	48	33	25	39	33	28	33	42	38	50	46	42		46.4
	MIN	35	21	21	29	29	35	33	29	30	29	39	36	32	32	25	32	25	32	24	26	28	23	9	9	9	9	7	20	18	35	32	26	25.4
AMIDON	MAX	59	54	67	64	67	70	61	53	62	53		57	49	43	52	40	40	64	54	40	46	54	50	48	55	55	89	85	47	42		54.5
	MIN	41	22	32	36	36	38	34	32	35	27		26	25	26	22	24	22	31	32	21	10	22	23	24	29	32	37	30	30	22		28.3
ARVILLA STATE PARK	MAX	54	34	62	66	55	67	59	49	54	42	46	45	40	39	42	38	33	49	42	30	23	35	29	23	24	41	36	48	43	40		42.9
	MIN	32	22	26	25	33	34	37	23	26	24	30	32	29	32	23	30	27	26	26	22	9	18	3	11	4	20	14	36	32	14		24.0
ASHLEY	MAX	57	46	65	51	66	68	62	48	63	61	52	48	53	36	48	43	43	58	52	37	32	51	42	44	48	54	60	53	49	43		51.1
	MIN	43	20	25	26	26	31	34	22	24	23	37	26	25	28	18	25	18	18	38	25	7	22	22	14	17	35	23	35	29	19		25.1
BEACR	MAX	57	55	72	63	65	71	64	61	64	56	48	58	50	45	53	38	42	61	55	37	53	53	52	48	50	54	69	55	48	43		54.8
	MIN	40	21	37	32	29	29	29	34	31	35	34	25	28	25	17	22	15	30	36	13	9	28	22	27	27	28	34	33	29	23		27.4
8ELCOURT INDIAN RES	MAX	52	36	62	53	67	64	55	45	48	53	42	50	44	38	44	36	29	52	45	27	22	34	24	36	32	38	47	48	41	37		43.4
	MIN	27	13	28	27	25	38	35	22	27	25	33	21	29	27	22	20	22	21	25	10	- 3	5	- 4	9	9	18	23	30	25	6		20.5
8ELFIELD	MAX	58	56	70	65	68	71	64	53	64	58	48	57	48	44	53	40	44	62	57	37	48	52	54	48	56	52	68	53	48	51		54.9
	MIN	41	21	33	31	39	28	33	25	31	31	28	23	33	23	21	16	15	25	37	18	8	30	21	20	20	30	31	31	31	20		26.5
8ISBEE	MAX	51	37	63	45	60	64	68	45	48	52	42	49	40	43	38	30		52	43	30	26	32	26	33	33	39	39	47	40	37		43.2
	MIN	30	15	30	28	27	28	31	26	27	27	35	21	29	27	24	23		25	28	19	4	19	3	12	8	24	19	32	27	20		23.0
8ISMARCK WB CITY	MAX	68	48	68	69	69	71	70	61	62	52	48	60	54	47	46	58	43	36	62	50	36	39	52	46	46	53	40	69	54	51		54.3
	MIN	42	25	29	28	27	34	36	26	29	26	28	20	37	32	22	20	21	26	35	30	7	14	24	17	20	28	30	37	33	24		26.8
BISMARCK WB AIRPORT	MAX	53	46	70	46	70	70	62	51	56	52	48	60	53	45	54	42	35	61	53	38	38	53	45	46	52	52	68	54	50	40		52.1
	MIN	34	25	37	28	24	31	31	26	27	26	28	19	37	28	19	31	18	25	33	20	6	28	21	17	17	27	31	36	33	22		28.1
BOTTINEAU	MAX	61	40	63	57	62	67	60	49	47	54	47	55	52	39	40	39	34	48	58	34	23	32	26	33	35	40	39	48	43	37		45.4
	MIN	34	17	30	31	26	31	30	29	30	31	38	24	25	27	15	31	17	24	27	19	- 2	10	8	13	7	22	26	30	23	15		22.9
8OTTINEAU STATE PARK	MAX	60	37	59	60	65	64	65	60	55	50	49	51	48	49	39	35	36	40	33	31	23	25	30	31	31	41	42	50	45	39		44.8
	MIN	25	19	20	33	40	33	32	25	30	32	39	32	31	30	21	30	20	21	29	19	9	19	15	15	8	20	30	29	30	22		25.2
BOWBELLS R R STATION	MAX	59	47	55	64	55	65	67	59	48	59	58	43	54	47	41	49	39	39	62	42	25	39	55	35	36	49	52	58	48	41		49.7
	MIN	35	24	30	28	33	35	35	27	29	28	29	25	27	25	18	21	12	13	31	22	5	14	20	12	15	18	28	34	29	19		24.0
8OWMAN COURT HOUSE	MAX	64	50	58	57	63	71	64	55	64	59	50	59	50	43	40	43	39	59	50	48	41	55	53	42	53	52	85	66	45	40		53.3
	MIN	41	22	39	39	39	36	33	39	32	39	38	39	37	29	23	24	33	33	40	23	10	30	29	27	29	29	40	31	30	28		32.0
BUTTE	MAX	54	45	66	52	70	68	58	56	54	55	47	56	47	44	48	42	33	63	52	35	35	44	36	41	43	50	63	56	48	40		50.0
	MIN	36	22	32	27	34	42	39	31	32	34	36	25	28	29	28	31	18	25	31	21	8	26	20	13	21	29	27	35	33	23		27.8
CARRINGTON	MAX	51	52	50	60	50	63	69	58	49	59	55	43	55	39	38	45	38	32	55	45	31	31	36	21	37		31	54	50	46		46.3
	MIN	28	14	30	23	24	29	33	25	23	24	23	21	20	23	17	19	15	21	24	18	1	2	9	10	11		21	29	30	25		20.4
CARSON 2 S W	MAX	55	50	70	64	70	70	65	50	64	55	50	60	48	45	55	41	43	64	50	40	40	55	50	50	53	52	66	65	50	45		54.5
	MIN	41	29	32	29	32	32	30	25	32	30	28	21	34	27	18	25	14	23	39	23	8	28	21	18	20	32	29	35	29	21		26.8
CAVALIER POWER PLANT	MAX	54	34	63	52	67	69	63	52	50	47	45	45	41	34	42	38	35	44	41	30	30	31	28	18	25	39	37	47	45	40		42.9
	MIN	28	20	28	29	26	36	39	26	27	24	33	35	27	28	21	30	24	24	27	20	9	18	5	9	00	21	22	36	34	12		23.9
CENTER	MAX	51	56	61	57	68	70	63	50	56	53	50	56	51	43	51	43	34	60	53	40	39	50	45	45	45	53	66	64	54	39		52.2
	MIN	41	29	31	24	28	27	37	19	20	23	27	15	33	29	17	28	12	21	38	22	3	23	20	15	13	23	24	33	21	20		23.9
COOPERSTOWN	MAX	49	35	62	48	64	66	60	50	55	54	45	52	43	38	44	40	33	53	49	31	23	35	30	35	35	41	41	46	44	42		44.8
	MIN	32	20	27	28	27	29	34	23	29	27	36	37	29	31	19	30	22	24	27	20	2	17	5	11	10	26	19	32	28	24		24.2
CROSBY	MAX	61	47	52	66	65	65	65	58	48	47	61	40	55	49	41	48	40	36	51	42	24	42	41	39	37	49	38	61	48	45		48.7
	MIN	32	24	26	28	31	32	34	29	26	27	28	26	29	26	19	21	15	15	24	20	13	15	21	19	19	19	30	31	27	20		24.2
DEVILS LAKE W B CITY	MAX	47	37	62	35	63	68	59	51	54	54	43	52	38	38	43	38	30	51	36	27	27	32	23	32	34	41	50	47	43	33		42.9
	MIN	28	18	35	30	30	33	36	30	30	29	38	25	30	25	20	25	25	28	27	16	4	24	7	14	9	21	21	34	30	24		24.9
DICKINSON CAA	MAX	53	53	69	65	66	70	62	52	61	52	49	58	49	44	54	40	42	61	55	36	46	52	51	49	55	51	68	52	48	42		53.5
	MIN	31	21	37	35	34	33	35	32	34	30	28	27	30	22	22	24	19	29	32	14	9	30	22	20	26	30	33	37	26	22		27.5
DICKINSON EXP STATION	MAX	68	53	54	69	65	67	72	62	62	62	53	50	59	44	44	54	40	44	62	47	27	47	53	53	49	58	45	69	52	50		54.5
	MIN	36	24	28	26	28	25	26	29	33	31	28	20	30	25	15	18	15	17	37	23	6	8	22	22	17	18	28	36	30	21		24.1
DRAKE	MAX	59	50	45	65	49	67	69	59	66	53	59	46	55	45	43	49	41	31	59	38	26	33	40	34	40	59	39	70	56	48		49.8
	MIN	31	21	21	29	30	34	34	31	31	32	31	24	26	29	19	19	16	25	30	25	6	9	19	9	15	18	26	35	30	22		24.2
OUNN CENTER	MAX	66	52	56	69	65	69	71	61	54	62	54	58	52	50	44	55	42	45	59	47	28	50	52	48	47	56	49	66	54	50		54.4
	MIN	39	28	30	26	29	27	32	21	24	24	26	22	30	25	17	22	11	24	28	23	9	10	22	23	15	26	26	34	28	22		24.1
OUNSEITH ST SANITARIUM	MAX	53	38	62	67	58	64	63	53	48	53	48	51	47	40	43	37	35	55	51	36	26	35	30	36	32	42	41	48	46	40		45.9
	MIN	30	16	30	27	22	34	36	33	28	31	36	22	29	30	23	30	22	22	27	8	00	16	00	10	9	20	25	32	24	28		23.3
ECKMAN	MAX	61	50	46	65	37	65	71	60	52	46	56	47	54	42	43	46	40	33	56	34	26	34	36	25	36	45	38	58	49	46		46.6
	MIN	30	25	23	26	23	25	25	23	23	25	30	18	23	28	15	15	16	25	27	24	00	4	16	13	1	1	26	32	26	18		20.2
EDGELEY EXP FARM	MAX	55	40	67	50	69	70	64	60	61	60	53	55	50	50	47	48	33	58	50	40	32	48	33	40	43	49	52	58	50	50		51.2
	MIN	40	15	24	28	29	32	34	27	23	26	28	28	31	32	24	24	18	21	39	18	8	18	17	11	18	28	22	32	18	18		24.4
EDMORE 1 W	MAX	48	35	61	45	62	65	58	45	52	53	43	52	42	36	41	37	35	48	41	30	21	30	28	29	26	40	37	45	39	36		42.0
	MIN	29	16	29	29	27	28	30	24	29	25	36	26	29	28	29	29	19	24	27	18	4	17	- 2	12	8	23	17	33	29	22		23.1
ELBOWOOOS	MAX	60	66	68	63	68	71	59	55	58	57	52	58	52	54	52	50	44	58	62	39	45	49	50	48	48	58	68	57	40	36		54.8
	MIN	36	18	18	23	20	24	27	21	20	29	22	14	33	30	18	22	18	10	32	18	10	24	21	15	15	22	24	28	13	14		21.3
ELLENDALE	MAX	55	49	69	55	71	72	65	54	64	61	54	58	50	42	50	45	36	58	55	45	32	50	41	43	42	50	52	60	51	45		52.5
	MIN	41	23	24	30	25	36	33	29	25	29	37	30	34	30	24	34	20	21	39	25	11	19	21	15	16	30	19	38	32	23		27.1
EPPING	MAX	60	55	68	63	67	70	68	60	68	62	60	58	50	52	56	52	48	46	55	41	44	47	46	50	52	65	50	55	45	36		55.0
	MIN	30	20	33	28	30	31	32	37	32	30	28	28	30	34	26	28	28	26	38	12	18	12	20	22	20	32	32	30	27	20		27.1
FARGO WB AIRPORT	MAX	52	33	65	42	65	64	62	53	59	51	51	44	40	37	41	39	31	48	38	29	23	36	26	28	30	39	43	48	44	34		43.2
	MIN	31	22	27	26	26	30	32	26	34	29	37	34	32	30	26	28	26	27	26	16	8	18	9	13	2	24	21	33	32	24		25.0
FESSENDEN	MAX	51	41	63	48	67	70	58	49	56	53	50	53	43	40	46	38	38	55	48	34	29	32	38	40	42	48	55	46	46	37		47.1
	MIN	34	18	26	31	30	36	34	31	28	29	27	24	28	27	24	20	21	26	26	19	5	9	13	20	22	18	24	30	30	23		24.4
FORMAN	MAX	54	43	67	56	64	66	63	53	63	63	50	53	45	40	45	43	33	46	49	34	29	45	35	36	38	44	48	53	50	41		48.3
	MIN	43	23	27	28	23	28	33	27	29	28	40	33	30	30	23	30	21	25	30	25	11	23	17	17	13	29	22	35	26	23		28.4
FORT YATES	MAX	61	47	71	65	70	71	62	51	63	57	50	60	52	45	55	52	42	64	58	46	39	55		51	51	48	69	66	51	44		55.7
	MIN	35	25	32	27	27	29	29	23	26	22	30	15	32	23	20	15	17	21	33	25	10	14		16	18	36	25	32	24	24		24.3
FOXHOLM WILDLIFE REF	MAX	56	50	62	54	71	70	57	54	53	62	46	55	48	46	49	42	51	60	55	41	39	41	38	40	40	50	66	60	52	42		51.7
	MIN	41	20	36	20	23	24	37	22	23	24	35	25	28	30	23	30	16	22	32	23	5	30	20	12	14	32	24	34	30	20		25.2
FULLERTON	MAX	54	47	67	55	69	68	63	55	60	61	51	56	46	41	51	43	33	56	55	35	31	46	35	42	43	40	48	54	59	42		50.2
	MIN	41	22	25	29	26	35	31	28	28	26	35	30	32	30	23	33	20	22	35	25	21	25	22	13	20	35	26	36	33	28		27.8
GACKLE	MAX			65	55			66	59	68	63	50			40	44	41	32	55				44	37						50		
	MIN				27			26	26	29	29	35			26	20	31	18	22			8	25	13						27		
GARRISON	MAX	54	47	66	56	66	68	61	50	57	54	50	57	45	43	51	40	32	58	55	35	39	48	42	40	53	53	65	51	47	36		50.6
	MIN	41	20	32	31	30	31	32	29	29	32	30	23	29	23	18	20	14	27	32	10	6	24	17	12	19	27	28	32	27	19		24.8
GRAFTON STATE SCHOOL	MAX	51	34	63		67	70	63	56	51	49	46	45	41	37	42	38	36	44	40	31		34	29	18	27	39	36	46	43	39		43.4
	MIN	29	18		25	25	36	39	26	31	27	36	38	33	31	24	31	27	26	30	22	9		5	10	- 2	20	20	34	32	20		25.1
GRAND FORKS CAA	MAX	57	33	62	39	65	66	59	51	53	44	48	45	38	35	40	38	32	47	35	28	23	34	18	20	31	41	43	46	43	36		41.7
	MIN	28	21	30	26	26	31	30	25	34	26	40	32	32	29	23	31	27	27	28	16	10	18	6	11	- 1	20	21	34	32	20		24.4
GRAND FORKS UNIVERSITY	MAX	51	35	63	42	65	67	58	50	53	47	48	45	39	35	40	39	32	48	34	29	33	35	19	21	32	38	39	47	43	36		42.1
	MIN	31	22	26	29	27	31	32	26	32	28	40	32	34	31	24	31	28	28	28	18	10	18	7	12	1	20	20	34	32	19		25.0
GRANVILLE	MAX	54	47	63	50	68	73	60	51	50	57	47	57	44	42	52	41	34	61	51	35	35	49	35	40	39	47	64	58	49	38		49.7
	MIN	36	21	37	27	28	31	34	23	26	28	35	20	25	27	16	32	16	25	29	20	9	24	16	13	11	26	27	34	27	27		25.0
GRENORA	MAX	54	50	65	55	63	65	59	58	56	53	48	54	43	44	43	38	35	54	50	35	39	40	40	35	52	50	64	56	41	31		49.0
	MIN	32	21	35	28	30	32	29	30	31	28	35	28	30	24	18	14	23	30	33	20	11	26	20	20	21	31	32	28	25	21		26.2
HANNAB	MAX	45	36	56	38	63	68	57	45	51	52	43	52	39	36	42	36	30	43	37	27	23	29	24	21	29	38	37	46	41	36		40.7
	MIN	28	16	31	29	29	30	32	27	30	22	26	29	29	28	18	29	20	24	27	12	5	20	- 1	11	8	22	22	32	29	19		22.8
HANSBORO	MAX	51	40	60	48	66	70	56	51	55		41	52		38	46	36	29	49	44	28	23	34	26	35	32	39	40	43			36		43.3
	MIN	27	15	31	28	29	39	25	27	25		35	22		29	20	27	22	24	26	17	1	18	- 2	5	6	21	23	28		20		21.8
HETTINGER EXP FARM	MAX	60	55	70	69	67	70	64	54	64	58	60	61	59	48	55	50	45	66	58	47	61	52	57	59	57	58	68	67	64	55		59.3
	MIN	40	23	29	29	25	27	32	29	28	26	29	28	26	25	24	15	18	26	22	20	7	19	22	24	21	21	31	33	28	22		25.0
HILLSBORO	MAX	51	34	65	47	67	68	62	57	58	44	49	47	39	39	42	39	35	51	43	30	25	37	29	23	23	41	37	48	44	38		43.7
	MIN	30	20	25	29	24	34	32	24	29	26	34	35	31	31	23	33	26	26	30	21	9	15	8	12	- 2	21	17	34	30	24		24.4
JAMESTOWN CAA	MAX	52	39	65	38	68	69	62	51	61	57	44	54	41	40	46	37	32	54	48	34	29	41	33	39	38	46	54	50	48	39		47.0
	MIN	30	17	29	28	26	34	32	25	25	26	35	26	30	23	22	27	20	26	29	20	8	22	16	15	14	24	24	35	31	24		24.8
JAMESTOWN STATE BOSP	MAX	53	37	64	48	67	69	59	51	60	57	44	54	43	40	45	43	39	53	49	34	30	40	29	38	38	45	51	55	48	39		47.4
	MIN	35	21	27	30	27	35	36	25	26	27	36	27	30	29	24	29	23	24	31	22	9	22	11	16	16	29	25	37	32	25		26.2

See reference notes following Station Index

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
KENMARE	MAX	61	50	52	67	55	70	69	63	50	50	59	47	56	49	45	50	43	38	62	44	28	40	45	35	40	48	43	64	52	47		50.7
	MIN	36	22	25	29	30	36	37	28	28	30	34	30	31	28	25	25	15	16	34	24	7	15	20	14	18	22	28	35	30	25		25.8
KENSAL WILDLIFE REFUGE	MAX	52	38	55	48	62	61	61	48	60	48	45	43	36	36	41	39	33	53	48	28	25	29	27	40	35	35	41	49	40	38		43.1
	MIN	35	17	23	27	24	30	35	22	25	24	36	21	24	27	20	32	15	19	28	18	2	20	13	10	18	20	19	33	28	23		22.9
LA MOURE	MAX	53	45	67	54	69	70	63	52	62	60	53	55	45	42	47	44	32	57	51	37	31	46	35	40	38	47	50	55	50	41		49.7
	MIN	42	22	26	28	26	34	31	25	25	25	37	29	31	31	23	27	19	22	35	24	11	22	17	15	15	25	24	35	30	24		26.0
LANGDON EXP FARM	MAX	42	34	58	44	65	66	55	44	50	53	45	50	40	36	41	36	33	42	35	28	21	29	25	25	29	32	39	44	40	35		40.5
	MIN	30	18	28	28	28	30	32	24	30	26	36	29	27	28	18	30	24	23	27	16	2	17	-1	10	6	18	18	32	28	19		22.7
LEEDS	MAX	47	39	62	48	62	63	60	52	52	54	44	53	39	39	44	40	31	54	43	30	22	34	27	33	37	42	48	48	44	37		44.2
	MIN	32	19	30	30	29	34	32	24	29	24	38	23	27	30	19	31	20	27	28	20	-2	22	-9	-9	-3	20	23	33	29	22		22.4
LINTON	MAX	54	45	71	53	70	70	63	51	65	60	50	59	49	44	52	48	35	62	55	42	36	55	44	48	48	50	68	63	51	45		53.5
	MIN	42	23	24	26	23	25	25	26	24	25	33	17	32	30	14	33	18	19	31	22	10	18	25	15	13	30	24	26	25	15		23.8
LISBON	MAX	55	54	37	66	38	70	68	64	52	63	59	48	54	40	43	46	38	32	52	48	34	30	42	24	38	41	41	54	52	49		47.8
	MIN	26	24	24	29	25	20	33	24	23	25	25	33	31	32	26	26	25	26	26	28	10	11	16	16	9	16	21	27	31	27		23.9
MADDOCK AGR SCHOOL	MAX	50	37	62	49	61	68	59	51	53	54	46	51	45	39	42	43	33	55	47	32	23	34	28	34	38	43	51	50	45	40		45.5
	MIN	33	26	28	29	27	31	34	26	26	27	37	23	26	29	20	31	20	26	30	20	1	17	14	14	5	25	21	35	30	23		24.5
MANDAN EXP STATION	MAX	67	51	46	68	48	70	71	60	49	56	51	47	58	45	43	53	40	34	60	49	27	38	51	45	45	53	40	69	53	49		51.2
	MIN	41	24	28	30	27	32	38	26	28	25	31	21	27	31	21	27	18	21	34	26	8	11	23	17	18	23	28	36	32	23		25.8
MANDAN FT LINCOLN PARK	MAX	58	47	71	55	71	72	67	49	60	53	50	64	54	47	55	47	35	62	52	40	39	55	46	47	48	53	69	68	51	45		54.3
	MIN	43	24	30	36	28	32	37	25	30	28	33	21	36	30	19	30	16	23	39	24	8	27	22	14	20	32	23	38	31	22		27.4
MARMARTH	MAX	58	56	67		65	69	60		63	55	50	59	52	45	54	41	45	64	53	40	52	45	50	49	56	56	71	56	44	41		54.1
	MIN	43	23	30		23	23	25		30	23	31	33	33	28	15	23	15	23	40	15	10	20	23	30	23	33	32	28	28	23		25.9
MAX	MAX	61	50	48	65	56	61	67	61	51	58	58	49	55	45	45	50	40	31	59	45	35	36	45	38	40	49	40	66	51	48		50.1
	MIN	28	22	22	32	29	31	36	28	30	30	32	23	25	28	21	23	15	16	25	24	3	6	20	12	16	18	26	34	29	20		23.5
MAYVILLE	MAX	52	35	64	59	64	67	60	52	57	49	48	47	45	39	42	39	35	50	44	31	25	36	29	23	24	41	37	47	43	41		44.2
	MIN	33	21	28	30	28	28	39	26	30	27	38	36	32	33	24	32	25	27	28	23	10	17	7	13	4	20	21	35	32	21		25.6
MC CLUSKY	MAX	62	50	51	65	50	68	69	59	48	55	55	45	54		45	49	39	43	56	47	26	38	44	35	39	49	51	62	51	41		49.9
	MIN	39	21	31	29	30	32	43	30	31	31	32	22	28		18	27	19	23	39	24	7	20	21	11	19	11	24	32	22	20		25.4
MC HENRY 5 N	MAX	50	35	61	51	63	66	60	51	56	54	45	54	40	38	43	40	31	54	43	28	23	34	28	34	32	42	43	48	44	38		44.3
	MIN	31	18	27	27	27	32	35	26	28	31	39	23	29	30	20	30	22	23	28	19	00	20	5	12	9	23	18	33	28	21		23.8
MC LEOD 3 E	MAX	54	43	67	55	66	68	65	52	63	62	60	55	53	51	47	46	36	50	45	46	35	41	40	37	33	41	43	53	50	50		50.2
	MIN	25	22	22	23	32	28	35	24	31	27	40	35	28	34	24	27	22	22	29	25	6	18	12	11	12	23	20	32	29	23		24.7
MEDORA STATE PARK	MAX	59	64	67	69	70	71	63	55	63	62	53	60	46	40	41	42	42	65	55	42	48	42	48	50	54	52	70	64	56	48		55.4
	MIN	26	20	24	25	24	24	26	25	28	24	25	20	26	22	23	21	15	21	26	24	8	30	26	28	25	33	34	33	24	22		24.4
MEDORA T R N M P	MAX	55	58	71	67	69	71	60	58	63	58	52	59	44	47	55	41	43	64	50	42	51	54	56	51	54	53	71	53	49	48		55.6
	MIN	43	19	26	23	20	22	22	22	25	23	28	17	37	30	12	25	13	24	23	24	6	27	24	25	15	34	26	38	34	17		24.1
MINOT CAA	MAX	55	49	64	44	67	70	58	50	53	56	46	55	44	42	48	39	31	60	53	34	37	42	34	39	52	49	68	50	47	34		49.0
	MIN	32	25	39	30	39	38	35	27	32	29	28	24	28	30	25	28	19	30	31	13	6	25	15	14	19	27	30	34	30	22		26.8
MINOT EXP FARM	MAX	56	47	85	57	66	68	58	51	54	58	47	55	48	43	48	40	35	58	53	35	36	43	36	39	43	52	68	60	46	41		50.2
	MIN	34	23	38	28	31	37	34	25	30	27	32	25	25	28	20	29	15	24	31	21	5	28	14	13	19	28	25	34	27	20		25.7
MCHALL	MAX	49	50	65	42	64	70	58	51	46	58	60	56	57	47	60	40	44	60	58	33	35	39	35	37	45	46	65	57	46	36		50.3
	MIN	19	25	26	32	28	32	34	25	25	34	22	21	26	14	31	16	26	32	23	2	23	14	7	11	26	31	28	24	19	23.4		
MONTPELIER	MAX	59	50	40	65	39	67	65	60	52	59	59	44	53	41	39	38	39	32	53	43	28	33	43	35	39	45	37	54	50	48		47.0
	MIN	29	20	21	27	24	27	33	20	22	21	23	25	27	29	21	22	17	20	24	27	6	7	22	15	11	19	20	27	28	25		22.0
MOTT	MAX	59	55	74	66	71	73	61	53	61	59	55	61	58	48	62	46	45	65	61	49	41	51	51	48	55	55	69	69	49	44		57.2
	MIN	39	26	28	28	25	27	29	26	25	21	28	17	25	27	12	24	17	25	34	20	5	23	22	16	15	33	27	22	28	16		23.7
MUNICH 4 SW	MAX	48	35	60	40	64	66	57	48	49	52	42	49	35	34	40	36	30	48	42	28	21	30	26	28	27	38	37	44	37	36		40.8
	MIN	20	15	29	28	27	29	25	29	30	26	33	24	29	28	17	30	22	24	27	17	13	18	-1	10	6	22	19	31	27	20		22.5
NAPOLEON 2 SE	MAX	52	39	66	48	66	65	61	49	59	61	44	54	45	41	49	44	33	57	51	38	30	49	37	41	45	50	59	57	47	40		49.2
	MIN	39	18	31	28	27	32	35	28	31	29	34	23	31	28	18	32	17	21	37	21	6	24	21	10	18	27	25	29	27	22		25.6
NEW ENGLAND	MAX	66	56	70	66	67	72	67	58	63	67	54	59	55	50	56	52	45	65	61	52	57	55	52	58	55	56	65	65	53	51		58.9
	MIN	42	23	31	29	31	27	32	27	26	26	27	20	24	16	14	25	17	25	38	22	7	26	22	19	19	32	25	34	30	20		25.2
NEW SALEM 1 S	MAX	51	49	72	60	70	71	65	50	62	52	57	60	52	42	48	52	41	55	55	53	37	35	48	47	51	52	68	58	50	47		53.7
	MIN	24	23	29	34	25	36	35	26	32	29	29	25	34	28	16	25	17	21	25	21	15	9	20	19	19	21	25	32	23	22		24.6
OAKES	MAX	60	52	40	70	37	70	75	64	53	62	66	49	57	44	41	48	39	32	56	47	33	32	47	35	41	45	40	56	54	50		49.8
	MIN	25	22	22	28	25	25	28	26	27	27	30	31	31	31	24	22	20	24	24	28	13	12	19	11	12	14	21	31	29	23		23.5
PARK RIVER	MAX	52	34	62	56	65	67	58	51	53	48	45	47	42	36	42	40	35	46	40	30	23	33	29	19	27	41	40	46	42	39		42.9
	MIN	32	23	30	31	31	38	42	27	28	27	35	35	34	31	25	33	27	26	30	21	7	15	4	12	2	21	20	35	32	18		25.7
PARSHALL	MAX	55	60	66	68	65	68	60	50	56	56	50	56	48	43	50	41	35	57	52	37	44	47	47	46	42	52	66	59	46	39		52.0
	MIN	40	24	35	23	25	24	30	25	25	30	25	30	23	27	14	27	14	24	35	20	5	25	25	15	13	28	29	33	25	22		24.7
PEMBINA CAA	MAX	49	31	59	37	66	67	55	46	51	45	45	46	35	33	35	36	30	43	33	26	21	29	15	16	27	36	43	46	43	29		39.1
	MIN	26	19	24	29	28	31	30	23	30	23	40	30	32	28	23	30	25	26	24	12	6	13	3	00	-13	23	22	34	27	12		22.0
PETERSBURG	MAX	48	35	60	44	64	68	68	46	54	50	43	51	38	35	42	35	30	37	37	28	32	25	27	24	29	38	38	46	45	35		41.7
	MIN	28	20	29	29	30	34	28	28	30	36	28	30	31	20	26	20	27	24	20	20	3	00	3	10	10	22	18	34	28	22		23.2
PETTIBONE	MAX	54	40	65	55	67	69	59	50	60	56	47	53	44	42	46	36	34	54	47	30	30	41	30	40	42	46	57	55	46	39		47.8
	MIN	38	21	28	29	27	29	33	30	28	31	34	22	30	28	19	29	18	19	30	24	5	24	19	14	11	28	25	31	25	21		25.0
PORTAL	MAX	60	48	51	64	61	63	68	58	55	40	58	42	54	48	41	47	39	35	58	42	23	40	40	31	34		47	63	47	41		48.2
	MIN	35	23	29	28	32	35	29	30	26	28	31	25	24	24	20	25	8	14	34	19	5	15	20	12	15		28	30	25	19		23.7
RICHARDTON AHSEY	MAX	60	53	70	67	69	70	62	55	62	55	50	58	52	44	54	45	42	60	55	40	44	53	50	48	53	58	67	66	48	43		55.1
	MIN	42	29	37	34	36	34	39	35	33	33	35	27	38	28	20	25	23	26	39	20	9	31	21	23	22	32	30	37	30	23		29.7
RIVERDALE	MAX	65	49	49	65	56	66	68	60	50	55	53	51	52	44	42	51	40	37	54	46	37	39	48	41	41	40	38	65	51	47		50.0
	MIN	36	24	23	32	32	34	35	31	32	30	31	25	29	28	22	25	15	17	34	24	9	11	21	14	19	18	27	27	27	21		25.1
ROLLA	MAX	52	37	62	35	68	65	56	43	51	55	40	50	43	37	45	36	28	52	35	27	22	33	25	38	32	39	40	46	42	37		42.4
	MIN	28	26	33	28	29	42	40	27	28	27	36	21	31	26	22	28	24	25	27	17	3	19	1	11	10	21	23	33	26	20		24.4
RUGBY	MAX	51	41	63	56	62	68	58	55	52	55	46	54	46	41	43	42	35	55	51	32	22	34	29	37	35	42	49	53	44	40		46.4
	MIN	35	20	30	30	29	32	33	28	30	31	33	22	25	29	17	32	21	26	30	21	00	20	14	9	7	25	24	34	30	20		24.6
SANISH	MAX	61	46	53	67	63	63	72	59	53	51	58	50	56	46	41	51	40	38	57	42	29	46	43	47	41	53	40	67	51	46		51.0
	MIN	23	28	24	25	22	24	27	23	25	26	23	16	21	29	14	15	14	14	19	23	9	9	20	19	15	15	26	29	30	19		20.9
SHARON	MAX	50	36	63	47	65	67	62	58	57	51	45	52	38	36	43	36	32	50	39	29	22	35	28	31	30	40	42	45	42	35		43.5
	MIN	30	21	28	30	29	32	36	30	28	31	37	29	30	31	22	30	21	26	28	20		21	12	13	13	22	20	33	27	23		26.0
STEELE	MAX	54	42	67	51	68	68	61	50	61	56	43	56	43	42	48	40	33	48	50	35	33	48	37	41	41	48	61	59	48	41		49.1
	MIN	36	16	24	27	24	28	29	24	28	29	28	16	29	24	18	28	14	19	29	20	14	25	25	17	13	27	22	33	26	17		23.6
TOWNER	MAX	49	43	65	64	63	70	59	58	53	56	55	49	48	41	47	48	32	55	35	32	36	37	34	31	39	45	56	58	48	34		48.0
	MIN	32	18	25	24	23	32	23	24	26	24	29	27	20	27	23	17	15	22	20	15	-2	18	10	5	10	22	25	32	25	18		21.0
UNDERWOOD 12 W	MAX	60	60	67	59	67	70	61	50	56	55	51	58	53	42	53	41	34	59	53	37	40	50	48	43	50	54	51	52	48	42		52.1
	MIN	35	21	29	25	25	27	36	23	26	28	27	18	31	30	15	21	15	26	33	23	6	27	23	16	15	27	29	37	27	19		24.7
UPHAM WILDLIFE REFUGE	MAX	56	40	67	57	67	70	63	50	51	57	50	57	47	45	45	44	36	58	50	33	35	35	29	38	33	42	51	54	47	40		48.2
	MIN	38	20	32	29	24	34	32	24	28	27	38	20	20	28	17	33	19	26	31	21	-1	22	12	14	00	24	26	34	27	18		23.9
VALLEY CITY	MAX	54	41	64	60	65	65	63	51	58	52	48	51	45	40	43	43	37	53	53	34	25	37	32	35	33	43	44	50	49	43		47.0
	MIN	40	23	27	27	28	35	37	24	32	27	39	32	32	32	24	29	24	25	32	24	9	22	13	16	16	28	20	38	32	26		27.1
VAN HOOK	MAX	57	53	68	61	64	70	60	52	56	56	50	56	53	43	51	41	37	58	55	35	46	48	48	41	44	55	68	63	46	40		52.5
	MIN	43	28	33	28	27	28	33	26	27	30	30	21	33	27	15	27	13	22	35	24	10	28	23	19	23	33	28	34	30	21		26.6
VELVA	MAX	55	45	65	48	67	71	67	51	55	56	48	55	44	43	49	40	34	61	52	35	36	43	36	40	41	51	65	60	48	39		50.0
	MIN	35	24	33	27	30	32	38	24	29	27	34	21	27	28	18	29	20	25	32	24	8	28	20	14	14	29	27	32	31	21		26.0
WAHPETON STATE SCHOOL	MAX	56	40	66	59	63	66	63	53	59	59	55	49	41	40	43	38	38	47	44	35	25	39	34	27	33	41	39	53	49	41		46.5
	MIN	39	23	24	28	25	30	34	26	36	29	41	39	31	32	26	33	24	26	34	24	9	18	12	15	13	19	24	35	30	26		26.8
WASHBURN	MAX	58	47	68	56	68	72	73	51	56	55	50	59	51	44	53	43	36	59	54	37	38	52	40	44	42	52	66	60	49	49		52.7
	MIN	42	24	36	31	29	34	35	30	31	31	33	23	34	30	21	31	15	26	34	23	10	27	18	15	21	31	29	36	30	29		28.0
WATFORD CITY	MAX	58	55	69	66	67	70	61	55	58	61	50	57	49	45	52	40	44	58	56	36	49	50	51	46	51	43	66	52	47	41		53.4
	MIN	40	22	36	29	31	29	31	32	29	33	35	26	33	23	16	24	15	28	34	22	9	29	22	19	25	35	29	38	31	22		27.6
WESTHOPE	MAX	52	45	66	50	65	70	63	60	58	56	55	55	42	42	43	42	40	55	39	33	28	36	27	27	36	42	50	47	45	33		46.7
	MIN	32	22	34	27	25	32	31	21	27	29	31	20	25	26	17	24	17	24	30	7	-1	22	14	12	1	23	27	32	27	18		22.5
WILLISTON WB CITY	MAX	54	54	69	61	64	68	60	55	53	62	51	58	47	45	49	41	39	56	53	36	46	49	50	44	58	47	67	52	47	38		52.4
	MIN	34	25	39	30	32	34	33	32	33	34	32	30	32	26	21	26	18	30	34	22	15	24	24	25	24	32	35	34	31	27		28.9
WILLOW CITY	MAX	54	43	65	45	63	70	59	50	51	55	47	53	40	41	43	42	36	38	32	28	36	26	35	36	42	54	49	45	38			44.9
	MIN	31	19	31	27	24	32	32	22	28	25	33	17	23	27	18	26	20	25	27	18	-5	12	10	15	5	24	21	33	28	19		22.2
WILTON RR STATION	MAX	62	48	43	65	49	65	67	60	48	54	52	46	55	42	41	50	39	29	57	47	27	35	46	36	40	50		63	50	45		48.7
	MIN	31	22	22	31	29	39	37	33	28	32	32	22	22	27	21	24	16	16	27	24	8	8	18	13	17	17	25		30	23		23.9

See reference notes following Station Index

Table 7

SNOWFALL AND SNOW ON GROUND

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALMONT 7 SW	SNOWFALL																				T			T							
	SN ON GND																															
AMENIA	SNOWFALL														T					T	1.0				3.0						
	SN ON GND																				1	1	T		3	3	1					
ASHLEY	SNOWFALL																				T			T							
	SN ON GND																															
BEACH	SNOWFALL																				T										T
	SN ON GND																														T	
BISMARCK WB AIRPORT	SNOWFALL	T																		T	0.6	T	T	1.1	T						0.5
	SN ON GND																				T	T		1								
CARSON 2 SW	SNOWFALL																				0.5											
	SN ON GND																				T											
CENTER	SNOWFALL																				T			1.1	T						
	SN ON GND																															
CROSBY	SNOWFALL																				T			T	1.0						
	SN ON GND																							T	1						
DEVILS LAKE WB CITY	SNOWFALL														T		0.1			0.3	1.5		T	3.3	0.2	T	T				
	SN ON GND																			T	2	2	2	4	5	5	4	2	T	T	T	
DICKINSON CAA AP	SNOWFALL																				T										T	
	SN ON GND																															
DUNN CENTER	SNOWFALL																				T				T						
	SN ON GND																															
EDGELEY EXP FARM	SNOWFALL	T																			-			-							
	SN ON GND																							1								
ELLENDALE	SNOWFALL																				T	T		0.8	T				T		
	SN ON GND																					T		1	T							
FARGO WB AIRPORT	SNOWFALL	T	T												T	T	T	T		T	3.0	T	T	2.1	0.2	T	T	T			
	SN ON GND														T					T	3	2	2	3	4	4	3	1	T	T	T	
FESSENDEN	SNOWFALL																				-											
	SN ON GND																				1	-	-	-	-	-	-	-	-	-		
FORMAN	SNOWFALL																				0.5			3.0								
	SN ON GND																				T			3	2	1	T					
FORT YATES	SNOWFALL																				T											
	SN ON GND																															
GRAFTON STATE SCHOOL	SNOWFALL																			T	0.7		0.4	T	T	T	-	T				
	SN ON GND																				1		T	T	T	T	1					
GRAND FORKS CAA AP	SNOWFALL			T										T	T			T		T	0.6	T		1.1	1.0	T						
	SN ON GND																	T			1	1	T	1	2	2	1	1				
JAMESTOWN CAA AP	SNOWFALL																T			0.8	0.9	0.1		1.8	0.1						
	SN ON GND																			T	1	1	T	2	2	T	T	T				
LANGDON EXP FARM	SNOWFALL																1.0			1.0	0.9				0.8		0.3				
	SN ON GND																1	1	T	-	-	-	-	-	2	2	-	-	-	-	-	
LISBON	SNOWFALL																				1.2											
	SN ON GND																				-	-	-	-	-	-	-	-	-	-	-	
MARMARTH	SNOWFALL																				T											
	SN ON GND																															
MAYVILLE	SNOWFALL		T															T		0.1	0.9			0.5	1.7	T	T				
	SN ON GND																			T	1	1	1	1	2	2	1	T	T			
MC CLUSKY	SNOWFALL																					-		-	-							
	SN ON GND																								T							
MC HENRY 5 N	SNOWFALL																T			0.2	2.0			1.0	0.5						
	SN ON GND																			T	2	2	2	3	4	4	1	T				
MEDORA T R N M P	SNOWFALL																				T										T	
	SN ON GND																				T										T	
MINOT CAA AP	SNOWFALL																			0.1	0.1			0.8								
	SN ON GND																				T	T		T	T	T						
MOHALL	SNOWFALL																			-	-			-		-						
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NAPOLEON 2 SE	SNOWFALL																				0.5		*	1.0								
	SN ON GND																						-	1								
PARSHALL	SNOWFALL																			T	T			T								
	SN ON GND																															
PEMBINA CAA	SNOWFALL	T	T											T	T	T	T	0.1		1.2	0.6	T	T	0.3	0.2	0.8	0.2		T			
	SN ON GND														T	T	T	T		1	1	1	1	1	2	2	3	3	T	T	T	
PETERSBURG	SNOWFALL																						1.0		*	1.0						
	SN ON GND																						1	1	1	2	1					
PETTIBONE	SNOWFALL																			*	1.0			1.0								
	SN ON GND																				1	1		1	-							
PORTAL	SNOWFALL																				T			T	2.0							
	SN ON GND																				T				2							
RICHARDTON ABBEY	SNOWFALL																				0.1			T								
	SN ON GND																				T	T		T								
ROLLA	SNOWFALL													T		0.5	0.3			0.5	2.0		T	1.5	0.2							
	SN ON GND															1	T	T		T	2	2	2	4	4	4	3	2	1	1	T	
RUGBY	SNOWFALL																			4.0				3.0								
	SN ON GND																			1	T			2	1	T						
SHARON	SNOWFALL														T		-			0.5	2.0			1.0	0.8							
	SN ON GND																T				2	1	1	2	3	3	1	1	T	T	T	

See reference notes following Station Index.

Table 7-Continued

SNOWFALL AND SNOW ON GROUND

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
STEELE	SNOWFALL	T																			0.5			0.5								
	SN ON GND	T																			T			T								
UPHAM WILDLIFE REFUGE	SNOWFALL																			0.2	3.0	3	3	3.5	6	5	3	T 2				
	SN ON GND																			T	3			6								
VELVA	SNOWFALL																T			T	0.2	T		1.0	T	T						
	SN ON GND																							1	T							
WAHPETON STATE SCHOOL	SNOWFALL												T								2.5			1.0	1.5		T					
	SN ON GND																				1	1	1	1	3	2	1	1				
WATFORD CITY	SNOWFALL																														0.4	
	SN ON GND																														T	
WILLISTON WB CITY	SNOWFALL																				T			T							T	
	SN ON GND																				T											

See reference notes following Station Index

NORTH DAKOTA
NOVEMBER 1949

STATION INDEX

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALMONT 7 N	0136	MORTON	4	46 43	101 39	2300	7P	7P	BOGAN RANSLAND	2 3 5 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	B A BORY	3
AMENIA	0196	CASS	11	47 00	97 13	860	S8	S3	YIRGIL L GEBEKE	2 3 5 7
AMIOON	0209	SLOPE	1	48 30	103 19	2910	5P	5P	STANLEY N BALE	2 3 4 5
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 56	87 30	860	6P	8P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	89 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 7
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR	0492	MC HENRY	12	47 57	100 32	1615		MID	RAYMOND S MELLER	3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F BODGIN	2 3 5 7
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	99 45	1980	7P	7P	TURTLE MT INDIAN AG	2 3 5
HELFIELD	0638	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	6	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISHEE	0786	TOWNER	2	48 37	99 22	1600	6P	8P	ROBERT J KRICK	2 3 5
BISMARCK WB CITY	0814	HURLEIGH	8	46 48	100 48	1870	10A	10A	D S WEATHER BUREAU	2 3 5
BISMARCK MB AIRPORT	0819	HURLEIGH	8	46 46	100 45	1650	MID	MID	O S WEATHER BURRAD	2 3 4 5 7
BOTTINEAU	0841	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAO STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	2 3 5
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BONMAN COURT ROUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	3P	D B BOOK	2 3 4 5
BREIEN	1052	MORTON	1	46 24	100 57	1720		MIO	FRANK E POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PSTERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 5 5
CARSON	1365	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	48 23	101 35	2300	7P	7P	J M EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5 7
COLGATE	1886	STEELE	10	47 14	97 58	1180			O N JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	R J LOCKNER	2 3 5
COORTENAY	1816	STUTSMAN	5	47 13	98 34	1523		8P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICROLS	2 3 5 7
DAWSON	2018	KIDDER	8	48 52	99 45	1730		MID	LOUIS J HILLINGTON	3 4
DEVILS LAKE NB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMMARS	2 3 5 7
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5 7
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	8	47 33	102 09	2082	6P	6P	H N CASE	2 3 5
ELLENDALE	2605	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GRESS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 3 5
ESMOND	2767	HENSON	11	48 02	99 46	1650		MID	CLARENCE L JENSEN	3 4
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITU LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1930		8A	GEORGE M SINCLAIR	3
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5 7
FORT YATES	3207	SIOUX	8	46 06	100 38	1640	SS	SS	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	U S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	7A	7A	GEORGE J MAHOWALD	2 3 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	LOUIS N GAUER	3 4
GOLVA 3 N	3556	GOLDEN VALLEY	7	47 04	103 58	2980		MID	ISADORE MAQULIES	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
GRAMD FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN KISSE	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	ROMER A BENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1570	6P	6P	U S CUSTOMS OFFICE	2 3 5
HANSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	M E DIGRER	2 3 5
HARYEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	H J REYNOLDS	3
HAYNES 6 NE	4073	ADAMS	1	46 01	102 24	2640		MID	BYRON B BOBB	3 4
HAZELTON RR STATION	4083	EMMONS	8	46 29	100 17	1878		MID	EPHRAIN ZACHER	3 4
HETTINGER EXP FARM	4178	ADAMS	3	46 00	102 38	2675	6P	6P	N DAK EXP FARM	2 3 4 5 7
HILLSBORO	4203	TRAILL	10	47 24	97 04	901	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS H RUTH BUCHWITZ	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	U S CIVIL AERD ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	TREO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAD	12	48 39	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICE	2 3 5
LANGOON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5 7
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	JESSE P PRILLIPS	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5 7
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5 7
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	8P	6P	BENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	6P	S P GRANE	2 3 5 7
MARTIN	5610	SHERIDAN	11	47 50	100 07	1610		6P	JOHN W MAGNUSON	3
MAX	5638	MC LEAN	8	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5660	TRAILL	10	47 30	97 19	875	8P	6P	E A RAGAZ	2 3 5 7
MC CLUSKY	5710	SHERIDAN	8	47 29	100 29	1843	11A	11A	J A HAMILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MID	MARTVIN B HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	98 35	1509	8P	8P	C E BLASKY	3 5 7
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	H B KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	46 53	99 19			6P	RUDOLPB GRAF	3

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	2 3 5
MEDORA TRNMP	5813	BILLINGS	7	46 54	103 30	2250	5P	5P	US FOREST SERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	98 02	1625		MID	EDGAR S STEGMEIER	3 4
MINOT CAA AP	5888	WARD	12	48 15	101 17	1724	MIDMID		U S CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5883	WARD	12	48 10	101 18	1720	6P	6P	M C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		8A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 48	101 31	1639	9P	9P	IVER JDENSON	2 3 5 7
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	ROLF HANSON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420	8S	8S	FOREST E COFING	2 3 4 5 7
MUNICH 4 SW	6195	CAVALIER	2	48 38	98 53	1588	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 1 S8	6255	LOGAN	8	46 29	98 45	1955	7P	7P	GLADYS J PETERSON	2 3 4 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S HATCH	2 3 5
NEW ROCKFORD	6350	EDDY	5	47 41	99 08	1555		9S	VALENTINE A RIEDER	3
NEW ROCKFORD 8 NW	6355	EDDY	5	47 44	99 15	1550	6P	8P	RICHARD STEINBACH	2 3 3
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	6P	8P	WM F GAEBE	2 3 5
OAKES	8620	DICKEY	5	46 08	98 05	1320	8A	8A	C W HAGEN	2 3 4 5
OMEMEE 3 SE	6703	BOTTINEAO	12	48 39	100 20			MID	ARTHUR B VOLLMER	CLOSED
PARK RIVER	6857	WALSH	10	48 23	97 45	898	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1829	6P	6P	C E SHUBERT	2 3 3 7
PEMBINA CAA AP	6947	PEMBINA	10	48 57	97 15	792	MIDMID		D 8 CIVIL AERO ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5 7
PETTISONE	7047	KIODER	8	47 07	88 31	1860	7P	7P	L B DETRLOFF	2 3 5 7
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5 7
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
REEDER 14 N	7452	S	1	48 19	102 57	2860		8A	CHAS W METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	7P	7P	ASSOMPTION ABBEY	2 3 4 5 7
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1810	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6 7
ROLETTE	7655	BDLETTE	12	48 40	89 50	1825	MIDMID		GEORGE F GEHR88	3 4
ROLLA	7664	ROLETTE	9	48 52	89 37	1860	7P	7P	THEO B FAGERLUND	2 3 5 7
RUGBY	7704	PIERCE	12	48 22	100 00	1560	6P	6P	FRANK HORNSTEIN	2 3 5 7
RYDER	7749	WARD	8	47 58	101 40	2108		9A	S C SCHELL8NBAUM	3
SANISB	7834	MOUNTRAIL	8	47 58	102 52	1835	7A	7A	B J BUGG8	2 3 5
SARLES	7844	CAVALIER	9	48 58	98 00	1585		MID	CLARENCE J OLSON	3 4
SEARING	7944	MC KINZIE	13	47 34	103 48			MIO	GLENN 3 MC RAE	3 4
SELFRIOGE 11 W	7952	SIOUX	8	46 04	101 10	2183		7P	L E NILSON	3
SHARON	7986	STEELE	10	47 34	97 54	1518	8P	8P	HUGB LYON	2 3 5 7
SHERWOOD	8047	RENVILLE	12	49 04	101 38	1647		6P	U S CUSTOMS SERV	3
SHEYENNE	8057	EDDY	11	47 50	99 07	1500		MID	ALVIN E SOD8RHOLM	3 4
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5 7
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE M PILGARD	3
TIDGA	8737	WILLIAMS	8	48 24	102 56	2279		8P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST H RIED88	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUMENALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1936		8P	ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F N MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAN BOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5 7
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962		MID	NEWTON O JONES	3 4
WAHPETON STATE SCHOOL	9100	RICRLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCE	2 3 5 7
WALHALLA	9155	PEMBINA	9	48 56	97 55	966		7P	PETER PAULUS	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	JOSEPH F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	6	47 48	103 17	2084	8P	8P	J C 2ELLER	2 3 5 7
WEST8OPE	9333	BOTTINEAU	12	48 53	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JONATHAN WINEJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 35	1877	MID	MID	U S WEATHER BDHEAU	2 3 4 5 7
WILLOW CITY	9445	BOTTINEAD	12	48 38	100 17	1471	8P	8P	O W SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISHEK	9515	MC INTOSB	8	46 16	99 34	2010	8A	8A	H W LARSON	2 3 5

† DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Beart; 5 James; 6 Esile; 7 Little Mieeouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See reference notes following Table 1.

GPO CB FSO 1-4-50 1100

Nat. Hist.

JUN 20 1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

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DECEMBER 1949

Volume LVIII No. 12

CHICAGO: 1950

NAT. HIST.

NORTH DAKOTA - DECEMBER 1949

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

The first ten days of December were a continuation of the above normal temperatures an light precipitation that prevailed during November. After the 10th, temperatures average considerably below normal and precipitation averaged above normal. The snowfall was considerably above normal in the eastern and central sections of the state.

The mean temperature for the state was 8.6° or 4.6° below the average. It was the coldes December since 1945. Readings fluctuated throughout the month from well above normal t much below normal. In the eastern division, the mean temperature was 8.7° or 3.7° belo normal. In the middle division, the mean temperature was 7.4° or 5.7° below normal. I the western division, the mean temperature was 9.6° or 6.2° below normal. The highes temperature for the month was 62° at New England on the 2nd. The lowest was -38° at Center on the 14th, making a range of 100°.

Precipitation for the state averaged 0.65 inch or .17 inch above normal. In the easter division, the precipitation averaged nearly twice the normal, in the middle divisio slightly above normal and in the western division slightly below normal. All of th precipitation was in the form of snow and some stations in the northeastern and east central portions had heavy snowfall. Devils Lake had 20.1 inches, an all-time record fo any month since the station was established. Sleet and glaze occurred at some station on the 9th, 10th, 19th and 20th.

The warm, dry weather during the first part of the month was very favorable for outdoo work and for livestock. Some work was carried on all month and livestock was in fair t good condition, although considerable feeding was necessary in the northeastern part o the state. Wind and sunshine averaged near normal and no severe storms were reported Rivers and lakes were frozen at the close of the second week. By the close of the mont the snow cover had increased to 5 to 20 inches in the eastern part of the state and fro none to ten inches in the western part. This ends another year with very good cro weather generally in the eastern and northern parts of the state but the weather was to dry in the southwestern section.

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ACKNOWLEDGMENT

In addition to the Climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reporduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in th Western States.

Previous to the introduction of this bulletin Series, data from Hydro climatic Network Stations were presented in bulletins (Hydrologic Bulle tins) which were issued montbly for each of 8 drainage areas embracin the entire United States, but since the Network was established to mee the internal requirements of the Federal agencies referred to above, n provision was made for public dissemination of the data, distributio being listed to cooperating agencies and to certain public repositor ies. A list of locations where reference copies of the Hydrologic Bulle tin Series are available for inspection may be obtained upon applicatio to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made availabl through the cooperation of various public offices, private agencies, ar individuals as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:30 A CST	7:30 A CST	1:30 P CST	7:30 P CST	Trace	.01–.09	.10–.49	.50–.99	1.00–1.99	2.00 and over	Total			
BISMARCK AIRPORT	NW	16	10.6	40	NW	11	75	78	69	74	13	5	2	0	0	0	20	57	6.5	1711
DEVILS LAKE			9.4	31	N	11					18	5	3	0	0	0	26	55	6.5	1855
FARGO AIRPORT	NNW	15	13.2	36	S	30	80	80	76	80	11	5	3	1	0	0	20	43	6.4	1691
WILLISTON			6.7	31	E	24					12	8	1	0	0	0	21	52	6.9	1750

COMPARATIVE DATA

ble 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
92	7.1	60	-39	0.57	7.7	4
93	4.7	55	-36	0.85	8.4	6
94	19.1	70	-32	0.29	1.6	2
95	13.8	62	-32	0.31	2.6	3
96	16.4	53	-35	0.36	2.6	3
97	10.8	69	-35	0.22	2.2	3
98	12.1	51	-38	0.24	2.1	3
99	12.8	60	-26	0.32	3.3	3
00	17.3	58	-29	0.31	3.0	4
01	12.4	61	-43	0.74	7.2	5
02	7.8	49	-35	0.51	4.2	4
03	11.8	57	-33	0.77	7.2	6
04	14.2	55	-43	0.65	6.2	5
05	15.3	55	-34	0.16	1.6	4
06	8.4	48	-40	1.09	10.7	6
07	20.1	68	-26	0.30	3.1	3
08	14.4	62	-37	0.36	3.7	3
09	5.2	54	-42	1.28	12.1	7
10	12.9	56	-34	0.43	4.6	4
11	14.9	61	-33	0.35	4.5	4
12	18.9	72	-28	0.43	4.0	4
13	22.7	61	-21	0.06	0.3	1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1914	5.4	57	-42	0.47	5.7	4
1915	15.8	57	-27	0.52	5.4	5
1916	2.7	61	-50	1.18	13.9	5
1917	0.7	58	-44	0.59	7.4	6
1918	18.5	65	-41	0.88	9.9	5
1919	7.4	49	-38	0.47	4.8	3
1920	15.2	59	-32	0.32	3.2	3
1921	16.5	59	-33	0.41	3.9	4
1922	8.5	55	-34	0.68	7.4	5
1923	22.2	62	-36	0.32	3.6	3
1924	2.9	58	-46	0.44	5.3	4
1925	16.5	67	-38	0.28	2.6	3
1926	9.2	55	-36	0.56	5.5	3
1927	1.8	43	-38	0.80	8.7	5
1928	20.7	57	-30	0.32	3.2	3
1929	12.5	59	-38	0.81	9.9	5
1930	19.9	53	-30	0.19	2.0	3
1931	21.0	58	-21	0.23	2.7	2
1932	12.4	60	-31	0.20	1.7	3
1933	8.6	62	-38	0.90	9.7	6
1934	12.6	53	-44	0.30	3.9	5
1935	12.6	51	-34	0.50	5.6	5

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1936	15.0	59	-36	0.43	5.5	4
1937	11.4	51	-33	0.54	6.5	6
1938	18.2	55	-41	0.32	4.1	4
1939	26.7	70	-20	0.28	2.3	4
1940	19.8	59	-36	0.42	4.0	4
1941	22.5	66	-20	0.15	1.8	3
1942	10.9	53	-30	0.53	7.1	7
1943	21.5	65	-22	0.12	1.0	2
1944	15.8	50	-27	0.06	0.9	1
1945	7.0	56	-38	0.64	8.8	6
1946	13.3	55	-35	0.58	6.2	6
1947	14.2	54	-36	0.42	5.5	4
1948	10.4	59	-35	0.70	9.7	7
1949	8.6	61	-38	0.65	8.3	6
PERIOD	13.2			0.48	5.2	

REFERENCE NOTES

four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

layed data and corrections will be carried only in the June and December issues of this bulletin.

nthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

tions appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

less otherwise indicated, dimensional units used in this bulletin are: Temperatures in F°, precipitation and evaporation in inches, and wind movement in miles. poration is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnots following Table 6.

ow and hail were included in snowfall averages in Table 1, beginning with July 1948.

of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with ect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary eration.

anta in Table 3 are from non-recording gages, unless otherwise indicated.

anta in Table 4 are from recording gages. Traces are not shown.

Record in Tables 3, 4, 6, 7 and the Station Index is indicated by a dash. No Record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is ing or accumulated for several days, only the first and last days are shown in Table 4.

in Tables 3, 5 and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

+ And also on a later date or dates.
° Amount included in following measurement, time distribution unknown.
// Gage is equipped with a windshield.
6 Precipitation measured at 6-hourly intervals, no recording gage.
8 Adjusted to a full month.
E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M One or more days of record missing; see Table 5 for detailed daily record.
R Station equipped with recording gage only.
S Storage precipitation station. Precipitation measurements, made at irregular intervals will he published in the June issue of this publication.
T Trace, an amount too small to measure.
V Includes total for previous month.
Z Hourly amounts from a rscording gage at the same site may be found in Table 4.

cription Price: 15 cents per copy, Monthly and Annual; $1.50 per Year.(Yearly subscription includes the Annual Summary). Checks, postal notes and money orders ld be made payable to the Treasurer of the United States.Remittances and correspondence regarding suhscriptions should he sent to the Weather Records Process- Center, 1300 U. S. Court House, Chicago 4, Illinois.

Table 2

CLIMATOLOGICAL DATA

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
AMENIA	11.3		41	3	-21	24		31	.99		..76	11	9.0	8	25+	5	1	
ARVILLA STATE PARK	6.7		43	3	-28	24		31	1.08		.39	11	11.0	12	28	4	2	
CARRINGTON	7.5	-5.0	47	1	-19	24		31	.65	.24	.46	11		17	28+	9	1	
CAVALIER POWER PLANT	7.7	-2.8	41	3	-26	24		31	1.70	1.01	.71	11	22.6	18	28	6	2	
COOPERSTOWN	8.5	-4.5	41	3	-25	14		31	1.24	.66				6	12	5		
DEVILS LAKE WB CITY	5.2	-4.3	44	2	-21	14		31	1.04	.50	.45	11	20.1	15	28+	8	1	
EDGELEY EXP FARM	10.4	-4.6	48	3	-22	24		31	.59	.10	.40	11				6	1	
EDMORE 1 W	4.4	-6.1	40	3	-27	24		31	.61	.07	.35	12	12.0	11	25+	4	1	
ELLENDALE	13.9	-2.4	46	3	-19	24		31	.94	.48	.60	11	4.6	5	24+	7	1	
FARGO WB AIRPORT	10.4	-0.3	40	3	-18	14		31	1.31	.59	.67	11	10.8	6	25+	9	1	
FORMAN	13.2	-2.1	44	2	-19	24		31	1.10	.54	.87	11		1	11+	5	1	
FULLERTON	12.0	-3.2	45	3	-22	24		31	1.04	.27	.68	11	7.7	5	23+	8	1	
GACKLE	9.2M	-5.3	47	3				31	.32	- .13	.17	11	11.0	10	24+	5		
GRAFTON STATE SCHOOL	6.7M	-4.0	40	3	-28	24+		31	1.42	.89	.45	11		11	28	7	2	
GRAND FORKS CAA	7.1	-3.9	39	3	-22	24		31	1.06	.44	.37	11	12.1	10	28+	7	1	
GRAND FORKS UNIVERSITY	7.6	-3.4	39	3	-19	24		31	1.28	.66	.40	11	13.3	12	28+	7	3	
HANKINSON RR STATION	12.6	-5.1	43	1	-20	24		31	1.44	.92	1.02	11				6	2	1
HANNAH	2.7M	-4.9			-23	23		31										
HILLSBORO	9.7	-2.3	40	3	-22	24		31	1.18	.54						10		
JAMESTOWN CAA	8.4	-5.5	45	2	-23	24		31	1.97	1.32	1.22	11	21.3	15	25+	13	2	1
JAMESTOWN STATE HOSP	9.8	-4.1	46	3	-22	14+		31	.69	.04	.41	11	12.0			5	1	
KENSAL WILDLIFE REFUGE	6.0		39	2	-27	14		31	.92		.60	11	10.7	11	24+	3	2	
LA MOURE	11.9		43	3	-26	24		31	.96		.52	24				6	2	
LANGDON EXP FARM	3.8	-5.0	40	3	-28	24		31	1.05	.42	.60	11		10	30	7	1	
LARIMORE	9.1	-2.4	45	3	-21	24		31	.81	.25	.36	11	6.6	7	19+	3	2	
LISBON	11.0	-3.8	43	3	-24	24		31	.74	.23	.49	11				5	1	
MAYVILLE	9.5	-3.8	41	3	-24	24		31	.49	- .03	.29	11	5.9	5	11+	5	1	
MC HENRY 5 N	5.7	-5.1	43	3	-24	24		31	.82	.33	.20	11	11.2	11	28+	9		
MC LEOD 3 E	11.8	-3.3	47	1	-24	24		31	1.63	1.17	1.01	7				5	2	1
MONTPELIER	7.8		47	3	-25	24		31	.95		.55	11	10.2	10	25+	6	1	
MUNICH 4 SW	3.6		35	2	-23	14+		31	.65		.32	11	8.5	9	28+	8	1	
OAKES	11.3	-4.9	44	1	-22	24		31	.74	.24	.54	11				8	1	
PARK RIVER	7.2	-3.9	44	3	-25	24		31	1.01	.50	.40	11	11.5	10	28+	5	1	
PEMBINA CAA	4.6	-2.4	37	3	-30	24		31	.68	.06	.30	11	7.6	7	28+	8	1	
PETERSBURG	5.6M		37	2	-23	23		31	1.23	.75	.35	11	15.9	15	28+	7	2	
SHARON	7.1	-5.1	41	3	-20	14+		31	.95	.47			8.5	11	28+	7		
VALLEY CITY	13.5M	-1.0	45	3	-22	24		31	.73	.15	.45	11				6	1	
WAHPETON STATE SCHOOL	14.6	-1.2	40	3	-16	24		30	1.49	.99	1.40	11	3.0	1	7+	5	1	1
DIVISION	8.7	-3.7							1.01	.47			11.1					
MIDDLE DIVISION																		
ASHLEY	10.8	-4.0	50	2	-25	24		31										
BELCOURT INDIAN RES	2.9		40	2+	-32	24		31	.43		.20	11		6	24+	5		
BISBEE	5.6	-4.1	46	1	-23	14		31	.49	.06	.29	11	5.0	4	28+	4	1	
BISMARCK WB CITY	10.8	-4.9	59	3	-24	14		31	.58	.10	.28	11	7.5	5	24+	9	1	
BISMARCK WB AIRPORT	9.8	-3.0	60	2	-25	14		31	.52	- .05	.29	11	6.8	5	24+	7	1	
BOTTINEAU	4.4	-3.9	40	2	-27	14		31	.26	- .21	.06	28	5.0	5	28+	6		
BUTTE	9.4M	-5.4	54	2	-19	14		31	.49	.00	.39	11		4	11	3	1	
CARSON 2 S W	11.0	-5.6	57	2+	-22	14		31	.81	.33	.60	11	8.4	9	27+	4	1	
CENTER	7.9	-8.5	55	2	-38	14		31	.42	- .02	.30	11		3	11+	3	1	
DRAKE	7.3	-8.1	55	3	-24	24		31	.57	.16	.22	11				5		
DUNSEITH ST SANITARIUM	5.7	-4.6	41	3	-23	24		31	.34	- .09	.15	11	5.2	4	24+	5		
ECKMAN	2.7	-7.6	54	3	-31	14+		31	.62	.15	.22	11	6.4	7	28+	7		
FESSENDEN	6.8	-5.0	53	2	-21	14		31	.57	.01	.26	11		7	24	3	1	
FOXHOLM WILDLIFE REF	7.3	-6.9	56	2	-28	14		31	.46	- .05	.20	28	6.1	4	28+	5		
GARRISON	6.8	-7.6	52	2	-24	14		31	.35	- .13	.20	11		5	19+	6		
GRANVILLE	6.2	-6.8	56	2	-26	23		31	.75	.29	.25	28	8.0	8	28+	5	1	
HANSBORO	5.8M	-3.4	43	2				31	.61	.07	.25	11	11.1	12	28+	5	1	
LEEDS	5.9		44	2	-24	14		31	.89		.26	24	19.0			6	1	
LINTON	11.1	-4.2	60	2	-31	14		31	.52	.13	.40	11		5	27+	4	1	
MADDOCK AGR SCHOOL	6.5	-4.8	48	2	-24	14		31	1.09	.66	.45	11				6	1	
MANDAN EXP STATION	9.6	-5.5	57	3	-25	14		31	.18	- .27	.10	11	5.9			5		
MANDAN FT LINCOLN PARK	11.9		61	2	-25	14		31	.42		.35	11		5	11	4	1	
MAX	5.8	-8.6	37	4	-24	15		31	.50	.10	.17	11	9.5	5	20+	7		
MC CLUSKY	8.0M	-5.7	54	3	-23	14		31	.78	.26	.34	10				10	1	
MINOT CAA	6.3	-6.8	56	2	-23	14		30	.97	.51	.35	11	14.3	9	28+	12	1	
MINOT EXP FARM	6.5		56	2	-23	14		31	.37		.10	28	8.6	9	28+	7		
MOHALL	6.1	-5.6	56	2	-29	24		31	.54	.12	.31	28	7.6	8	28	7	1	
NAPOLEON 1 SE	9.3	-4.1	53	2	-27	14		31	.92	- .47	.62	11	9.4	8	25+	8	1	
NEW SALEM 1 S	10.4	-5.8	57	2	-21	24		31	.39	- .12	.22	11		5	25	6		
PETTIBONE	8.8M	-2.9	51	2	-25	14+		31	.63	.19	.31	11		5	24+	5	1	
RIVERDALE	7.7		52	3	-20	14		31	.30		.09	11				7		
ROLLA	4.8	-5.4	44	2	-20	14		30	.68	.19	.37	11	6.8	7	28+	9	1	
RUGBY	6.4		49	2	-28	14		31	.89	.42	.35	11	11.8			5	2	
STEELE	7.9	-5.3	55	2	-27	14		31	.80	.31	.72	11	7.1	6	11+	4	1	
TOWNER	3.8	-7.4	52	2	-31	14		31	.72	.23	.31	11	12.5			4	1	
UNDERWOOD 12 W	8.4	-7.8	53	2	-30	14		31	.53	.10	.23	11	7.0			5		
UPHAM WILDLIFE REFUGE	6.0		52	2	-31	14		31	.65		.20	24	12.0	10	28+	6		
VELVA	8.2	-6.8	57	2	-24	8		31	.63	.16	.24	11	10.2	10	28+	7		
WASHBURN	10.6	-4.9	56	2	-25	14		31	.26	- .17	.22	11	5.0	5	11	3		
WESTHOPE	4.4	-5.8	50	2	-30	14		31	.74	.32	.17	6				7		
WILLOW CITY	5.0	-4.2	52	2	-29	14		31	.45	- .15	.15	28		6	28+	8		
WILTON RR STATION	7.1M	-7.7	54	3	-22	14+		31	.40	- .05	.26	12	5.4	4	12+	6	1	
WISHEK	8.4M	-6.5	52	3	-32	14		31	.43	.00	.25	12	6.6	6	25	7	1	
DIVISION	7.4	-5.7							.57	.12			8.5					

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2–Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 SW	12.1		58	2	-17	13+		31	.15		.06	1				4		
AMIDON	14.9	-4.2	59	2	-18	20		30	.19 E	- .20	.10	11	1.5	1	11+	4		
BEACB	14.0	-4.4	54	2	-18	20		31	.22	- .25	.07	11	4.0	2	27+	9		
BELFIELD	11.5	-8.3	47	1	-18	19		31	.34	- .14	.20	11		4	27+	4		
BOWBELLS RR STATION	6.0M	-6.9	55	3	-29	15		31	.36	- .02	.26	11		4	28+	2	1	
BOWMAN COURT HOUSE	11.6M	-6.0			-21	13		31	.17	- .18	.12	12		4	12+	2		
CROSBY	4.2	-8.7	49	3	-23	14+		31	.63	.13	.36	11	12.5	9	28	6	1	
DICKINSON CAA	12.1	-4.7	57	2	-18	13		31	.17	- .29	.07	11	2.0	1	11+	7		
DICKINSON EXP STATION	11.1	-5.7	59	3	-19	13		31	.20	- .26	.06	11	2.0	2	27+	8		
DUNN CENTER	8.3	-9.7	57	3	-27	14		31	.25	- .16	.20	11	3.0	3	11+	2		
ELBOWOODS	7.8	-8.1	58	2	-26	15+		31	.18	- .22	.07	7	2.0	1	7+	4		
EPPING	5.5	-9.7	52	2	-26	14		31	.28	- .17	.10	10+	.5			3		
GRENORA	4.5	-7.8	40	1	-27	14		31	.33	- .19	.15	22		3	22+	3		
KENMARE	7.8	-6.4	54	3	-22	14		31	.76	.33	.24	28		9	28	9		
MARMARTB	15.4M	-3.1	58	2	-16	13+		31	.36E	- .04	.10	11+	18.4			6		
MEDORA STATE PARK	13.1M	-6.4	48	1	-23	13		31	.35	- .13	.25	11	4.4			6	1	
MEDORA T R N M P	12.3		58	2	-26	13		31	.28		.07	12	4.9	3	26+	6		
MOTT	12.9	-2.9	61	2	-18	13+		31	.32	- .16	.10	26	5.5	3	27+	5		
NEW ENGLAND	15.9	-1.5	62	2	-18	13		31	.10	- .30	.03	10+	3.0	3	27+	4		
PARSHALL	7.4	-7.1	56	2	-33	14		31	.50	.09	.30	11		4	19+	7	1	
PORTAL	3.4	-9.2	53	3	-25	13		31	.90	.45	.22	25	10.0	9	28+	7		
RICHARDTON ABBEY	12.9	-3.3	57	2	-16	23		31	.53	.11	.37	11	4.9	4	23+	6	1	
SANISB	6.0	-7.5	57	2	-30	14		31	.31	- .14	.08	6+				7		
STANLEY	2.5		53	2	-28	14		31	.47	.02	.13	11		8	28+	5		
VAN HOOK	8.0		58	2	-29	14			.24		.06	6+	4.0	4	28+	7		
WATFORD CITY	10.0M	-5.3	57	2	-21	23		31	.55	.02	.13	11	7.2	5	28+	7		
WILLISTON WB CITY	8.6	-5.2	54	2	-18	23		31	.60	.02	.22	10	6.3	5	28+	9		
DIVISION	9.6	-6.2							.36	- .09			5.3					
STATE	8.6	-4.6							.65	.17			8.3					
DELAYED DATA																		
JUNE 1949																		
EASTERN DIVISION																		
BALDHILL DAM	64.6				33	7			2.17		1.15	1				7	2	1
WESTERN DIVISION																		
BETTINGER EXP FARM	64.5	0.5	98	11+	35	13	8		1.41	- 1.75	.88	20				7	2	
AUGUST 1949																		
EASTERN DIVISION																		
GRAFTON STATE SCHOOL	70.1	3.9	102	8	40	28+	9		3.19	.67	1.65	12				6	4	1
SEPTEMBER 1949																		
EASTERN DIVISION																		
BALDHILL DAM	53.3				17	28			.61							6	1	
WESTERN DIVISION																		
GRENORA	58.2	2.9	87	1	20	13		4	.27	- .96	.15	10				3		
MIDDLE DIVISION																		
MADDOCK AGB SCHOOL	55.8	- 1.1	88	24	22	28		4	.57	- 1.09	.36	12				6	1	
EASTERN DIVISION																		
MC LEOD 3 E	60.4	0.8	90	2	26	28	1	4										
MIDDLE DIVISION																		
NEW ROCKFORD									.58		.29	12				6	1	
OCTOBER 1949																		
MIDDLE DIVISION																		
MADDOCK AGR SCHOOL	43.1	- 0.4	86	5	19	26+		17	3.37	2.39	1.39	9				13	4	1
WESTERN DIVISION																		
STANLEY	39.6		77	5	15	20+		26	1.30	.46	.40	29	4.0	4.0	20+	5	3	
NOVEMBER 1949																		
EASTERN DIVISION																		
BALDHILL DAM									.60		.25	12+		2.0	21	3	2	
EASTERN DIVISION																		
HANKINSON RR STATION	35.9	- 7.0	67	7	11	26		27	.81	.16	.55	12		2.0	21+	3	1	
WESTERN DIVISION																		
STANLEY	35.0		68	6	0	21		30	.10	- .44	.10	22	2.0	T	22	1		
MIDDLE DIVISION																		
TURTLE LAKE WISHEK	35.4	- 7.0	67	7	2	21		25	.30	- .12	.30	23	T	T	19+	1	1	

See reference notes following Station Index

Table 3

DAILY PRECIPITATION

NORTH DAKOTA

DECEMBER 1949

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
AOAMS 7 S					T							.59					.10								.59			.15				1.40
ALEXANDER R R STATION						.01	.01			.07									T			.09		.05		.04					.27
ALMONT 7 SW		.06				T				T	.05							T	T				.02	T	.02						.15
ALPHA 1 S		.02	T		.03	T					T	.12	T				T	T	T			T	.05				T				.22
AMENIA						.07					.76									.01				.02	.13							.98
AMIDON 2		.03		.05			T	T			T	.10					T		.01		T	T	T	T	T	T						.19 E
ARVILLA STATE PARK											T	.39												.20	.21			.29				1.09
ASBLEY 2										.20	.10									-			T	.02	T	T						-
BALDBILL OAM							.01				.60									T			T				T					.91
BALFOUR R						.17				.1I	.10													.05			.01	.12				.56
BEACB		.02	T	.06			T				T	.07							.01		.01	.01	.01	T		.01	.02					.22
BELCOURT INDIAN RES							.07					.20					T	T	.02	T				.05	T			.09				.43
BELFIELD				.06								.20	T	T				.05				T				T	.03					.34
BOULAH		.09				T				T		.03				T	T		T		T		.04			.03					.18
BISBOE						.03						.29							T					.07				.10				.49
BISMARCK WB CITY		.04				T	T			T	.29	.02		T		T	T	.01	.01		T	.05	.01	.12	T	.04	T	T				.58
BISMARCK WB AIRPORT 2		T	T	T		T	T			T	.29			T		T	T	.02	.01		T	.04	.01	.12	T	.03	T	T				.52
BOTTINEAU						.05				.04	.03						T	T	.03					.05				.09				.29
BOTTINEAU STATE PARK						.15				.30		.10							.10					.15				.10				.90
BOWBELLS R R STATION						.10	T				.26	T					T		T			T		T				T				.36
BOWMAN COURT HOUSE Z				T	T		T				T	.12							T			T	.05	T	T	T						.17
BREIEN R										.10	.55											.05	.01	.04		.02	.03					.90
BUTTE						.04				T	.39					T		T	T				T	.09			T					.49
CARRINGTON						•	.05				.49	.07						.01		.01				.01	.02			.02				.65
CARSON R										•	.29													.06			.05					.39
CARSON 2 S W						T	T			T	.90					T	T	T	T		T		.05	.11	T		.05					.91
CAVALIER POWER PLANT						T	T	T	T	T	.71	.04					T	T	.21			T		.46	.14			.14				1.70
CENTER		.10				T					.30					.02						T		T								.42
COLGATE								.28			.95																					1.13
COOPERSTOWN						.05					•	.74													.40			.05				1.24
COURTENAY						.10				.15	.69	T												.52	T	T		T				1.46
CROSBY					T	.01	.04				.36					T	T	T	T	.02		T	T		.02			.19				.93
DAWSON H										-	-						-															-
DEVILS LAKE W B CITY 2		T	T			.02	T	T	T	.02	.45	T	T	T		T	T	T	.09	T	T		T	.23	.01	.02	T	.21	T	T	T	1.04
DICKINSON CAA Z			.01			T	T	T		.01	.07					T		T	.02		T	.01	T	.02	T	T	.03	T				.17
DICKINSON EXP STATION		.03		.05			T	T			.06	.01					T		T	.0I	T	T	.01	T	T	.01	.02	T				.20
DRAKE						.06	.03				.22													.10				.16				.57
DUNN CENTER		T					T				.20						T	T	T	T	T		T	T			T	.05				.25
DUNSEITH ST SANITARIUM						.03					.15						T	T	.02					.04				.10				.34
ECKMAN						.05	.09				.22	.02						T	T	.06				T	.06			.13				.62
EDGELEY EXP FARM 2		T				.02				.09	.40								T				.02	.02	.05							.59
EDMORE 1 W						.03	T		T	T		.35					T	T	.13						.10							.61
ELBOWOODS							.07			T									T				.03	.05				.03				.19
ELLENDALE		T				.02	T		T	T	.60	.08							T	.09			T	.07	.04	T	.05					.94
EPPING						.09				.10																		.10				.29
ESMOND R						.02					.65								•	•	•	•	•	.12								.79
FAIRFIELD 9 N						T				.09	T											.02										.10
FARGO WB AIRPORT Z		T				.1I	T		T	.16	.67	.02				T	T	T	.07	.02	T	T	T	.07	.16	.03	T	T				1.31
FESSENDEN						.21					.26													.10								.57
FLASHER		.01									.15	.03											.04		.02	.02						.27
FORMAN		T				.05				T	.97							T	T	.07		T	.03	T	T	T	.09					1.10
FOXHOLM WILDLIFE REF											.15	.09				T		.01	.02			T		T				.20				.49
FRYBURG		-		T			T	T			.06	.01					T		T	T	T	T	.01		T	T		.02				-
FULLERTON		T			.04					T	.69							T		.07			.09	.12	.04							1.04
GACKLE						.0I					.17	.07				T			T			.04		.03		T						.32
GARRISON					T	.03				T	.20					T	T	T	.03		T	.02		.05		T	.02	T				.35
GLEN ULLIN R		.02								.01	.14													.04		.02						.23
GOLVA 3 N R			.05							.05	.10											.03				.07	.02					.32
GRAFTON STATE SCHOOL							T				.45	.13					T	.01	.17	T		T		.21	.35			.10				1.42
GRAND FORKS CAA Z		T				T	T		T	.07	.37	.03					T		.09	T		T		.21	.09	T	T	.21				1.06
GRAND FORKS UNIVERSITY		T				T	T		T	.01	.40	.06					T		.14	T				.1I	.29	T	T	.27				1.29
GRANO R//						.20				.05	.25								.05					.10	.02		.03	.10				.90
GRANVILLE						.20				T	.19					T	T	T	.02		T			.09	T	T			.25				.75
GRENORA					.10					.09												.15										.33
HALLIDAY		.07				T	T				.16	T					T		T		T		.12	T	T	T						.35
HANKINSON R R STATION							.01		.06		I.02	.27						T		.05	T		.03		T							1.44
HANNAFORD R					-	-				-	-								-			-	-	-	-	-						-
HANNAH		-	-								.35	-	-				T		.09					.12	.01	T		.04				-
HANSBORO						.02				T	.25						T		.20					.04				.10				.61
HARVEY WATER WORKS						.05				T	.07							T	T			T	T	.02	.02							.16
HAYNES 6 NE				-	-	-				.02	.20											•	•	.07		.01	.02					-
HAZELTON R R STATION R//						.02				.07	.61											.03	.03	.17	.02							.95
HILLSBORO		T				.05			T	T	•	.79							.02	.02			T	.03	.02	.02	.05	.19		T		1.19
HUNDSFIELD R						.06				.01	.64	.02						.03	.04					.06								.96
JAMESTOWN CAA Z		T				.03	T	T	T	.12	1.22	.01				T	.01	T	.06	.03	.01	.02	.02	.27	.16	.01	T	T				1.97
JAMESTOWN STATE HOSP		T				.04	T			T	.41						T		.04		T		T	.05	.15	T						.69
KENMARE						.06	.04				.20	.03						T	T	.06		.07	.02	.04				.24				.76
KENSAL WILDLIFE REFUGE						.02			T		.60						T		T					.30		T		T				.92
KRAMER 5 S						.10				.05	.12					•	.03	•	•	•	•	•	•	•	•	•	•	.25				.55
LA MOURE		T				.02				T	.01	.39							.02				.01	.52		T						.96
LANGDON EXP FARM							.01				.60	.06					T	T	.15					.10		.04		.10				1.05
LARIMORE						T				T	.36								T					.29			.16					.91
LEEDS						.08	T			.02	.21	.08			T	T	T	T						.26		T		.24				.99
LINTOR					T	T				T	.40	.03											.02			.07					.52
LISBON							.05				.49	.10											.04	T	.06							.74
MADDOCK AGR SCHOOL						.09					.45	.09					T		.04		T			.23				.19				1.09
MANDAN EXP STATION 2							T			T	.10	.02				T	T	T	T	T	T		.02	T	.01	.03		T				.19
MANDAN FT LINCOLN PARK		.03				T				T	.35					T	T	T					.03		T	T	.01	T				.42
MARMARTH		T		.01	T	T					.10								.05		T	.10	.05	.05								.39E
MARTIN						.I2				T	.26					T					T			.05				.08				.51
MAX						T	.03				.17	.05						T	T	.03		T		.05	.15			.02				.50
MAYVILLE						.04	T		T	T	.29	.09					T		.04	T					.03					T		.49
MC CLOSKY						.01	.06			.34	.20	.02						.02					.02	.04	.04			.03				.79
MC GREGOR RR STATION H					•	.05				.27	.20								•	•	•	•	•	.15			.03	.08				.79
MC HENRY 5 N						.05				.15	.20	T					.02		.09					.10	.05	.10		.07				.92
MC LEOD 3 9		T					1.01				.40												.04		.15	.03						1.63
MC VILLE						.02					.20								.06					.50			.10					.99
MEDINA I W										.15	.30													.20								.65
MEDORA STATE PARK											.25								.02		.02	.04		.01	.01			.35				.35
MEDORA T R N M P			T			T			T	T	T	.07						.02	.05			.04			T	.05	.05					.29
MELVILLE R						.09				•	•	.97							.05					.07	.02							1.07
MINOT CAA 2						.19				.05	.35	.01		T		.03	T	.01	.07		T	T		.05	.01	.02	.07	.12				.97
MINOT EXP FARM						.07				T	.09					.01		T	.06					.03	T	.02		.10				.37
MOFFIT BR STATION 2		.04					T				.05	-						T					.02	T	.01		T				-
MOHALL						.09				.03	.05					T		.01	.02					.03				.31				.54
MONTPELIER			T				.10				.55	.15								.04		T	T	.05	.06							.95
MOTT 2											.09								.04			T	.03			.10	.06					.32
MUNICH 4 SW						.02	.10		T	T	.32					T	.03	T	.05			T		.06	.02	T		.05				.65
NAPOLEON 1 SE Z		.02				.01				T	.92	.07					T					.02	.02	T	.15	T		.01				.92
NEW ENGLAND										.03	.01												.03				.03					.10

See reference notes following Station Index.

Table 3—Continued

DAILY PRECIPITATION

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW ROCKFORD						.16					.30	.08				T	T			T	.10			.12	.04	.04		.12				.84
NEW ROCKFORD 6 NW						.11				T	.26					T		T	T		T			.10	T			.08				.56
NEW SALEM 1 S		.06				T				.01	.22					T		T	.01		.06	T		T	.03							.39
OAKES Z		T					T				.54	.06								.02			.05	.02	.05							.74
PARK RIVER						T	T	T	T	T	.40							T	.20					.22	.08			.13				1.01
PARSHALL						.08				T	.30					T		.01	.03		.01	T		.02				.04				.50
PEMBINA CAA Z		T			T	T	T		T	.02	.30	.02	T			T	T	T	.11	.01	T	T		.08	.04	T	T	.10	T			.88
PETERSBURG			T	T		.03				.02	.35	T							.22					.34	.03			.24				1.23
PETTIBONE R							T				.31	.09							.01			T		.20	.02							.63
PORTA					.15	.02					.10								.07	T				.14	.22			.20				.90
PRETTY ROCK		.02				T				T	.20						T		.03			.03		.01	.02		.02	.01				.34
REEDER 14 W			T							T	T	T							T			T			T							T
RICHARDTON ASHEY Z		.05	T	T		T	T		T	T	.37				T	T			.02		T	T	.04	.04	T	.01	T					.53
RIVERDALE Z		.02				T			T		.09	.08					T	.01	T	.04	T	T	.04	.02	T	T	T	T				.30
ROLETTE						.08				.02	.03								.02					.09				.11				.35
ROLLA						.08				.01	.37					T	.02		.04	.01		T		.04	.02			.09				.68
RUGBY						.05					.35							T	.08					.16			.25					.88
RYDER												.08						.10							.05		T	T			.02	.25
SANISH						.08					.08						T	.01	T	.02		.01	.03	.08		T						.31
SARLES R//						.10					.44								.10					.20				.10				.94
SELFRIDGE 11 W										T	.17					T	T	T			T		T	T	.02		.04				.23
SHARON						.07				*	.40								.10					.08	.20			.10				.85
SHERWOOD						.06				.10	.05					.01			.02	T				.05				.25				.54
SHEYENNE R						.11				.03	.57	.01							.04					.08				.10				.94
STANLEY						.12					.13							T	.04					.06				.12				.47
STEELE		T				.02	T			T	.72	T					T			T			.03	.03								.80
TAGUS						.12				T	.15						T	T	.02	T				.05				.16				.50
TIOGA					.10					.25														.20				.25				.80
TOWNER					.14						.31													.12			.15					.72
TROTTERS			T			T					.04					T	T		.05	T	.03	T	T			.02						.14
TROTTERS GEN STORE R	-	-	-	-	-					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.13		-				-
TURTLE LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TUTTLE 8 SW										.10	.48							.01						.09	.03							.71
UNDERWOOD 12 W	T	.02				T	T		T	T	.23					T	.07		T			.06	T	T	.15		T			T	T	.53
UPHAM WILDLIFE REFUGE						.06				T	.17					T		.02	.05					.20				.18				.65
VALLEY CITY						.02				.05	.45								.10		T	.01		.10								.73
VAN HOOK						.08				T	.05					T		.01	.02			T	.01	.03	T			.06				.24
VELVA						.10				T	.24					T		.03	.01				T	.05	.01	T		.18				.63
VERONA	T										.40														.13							.53
WAHPETON POWER PLANT H						.07				.38	1.04													.05	.04							1.58
WAHPETON STATE SCHOOL						.03	.01		T	T	1.40	T						T	T	.03			.02									1.48
WALHALLA						.05			.25	*	.30								.23						.10			.35				1.28
WASHBURN	T					T				T	.22							T	T				.02	.02								.26
WATFORD CITY										.08	.13								.08		.03		.06	.08				.09				.55
WESTHOPE						.17				.14	.05								.04					.12				.16		.06		.74
WILDROSE						.05				.20	.30								T					.11				.15				.81
WILLISTON WB CITY R		T			T	.05	.01			.22	.09			T	T	T	T	T	.01		T	.03	T	.09	T	T	.08	.01		T		.60
WILLOW CITY						.03			.05	T	.05					T	T	.03	.04		.03			.07		T		.15				.45
WILTON RR STATION	.04						T					.26						.03		.02		T	.04		.01							.40
WISHEK						T				T		.25				T	T	.01	.01	T		.02	.06	.02	.06	T						.43

DELAYED DATA

JUNE 1949																														
BALDHILL DAM	1.15	T											.15			.08	.01			.20		.03					.55		T		2.17
DAWSON	.54								.35			.14			.09		.13		.30		.05		.15			-	-	-	-		-
FAIRFIELD 8 N											.32				T	T	1.28				T			-	-	-	-	-	-	-		-
HETTINGER															.02	.26	.02			.88		.13					.04		.06			1.41
OMEMEE 3 SE	1.08										.48					.23	.57		.13													2.63
RAUB	1.04									T	.12	.21				.66	.48		.22			.08			.07	.04						2.92
SEARING												.15			-	-	-	-	-	-	-	-	-	-	-	-	-	-					-
JULY 1949																														
BALFOUR RR STATION					*	.07						.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUNSEITH ST SANITARIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	T	.02		.06	.52						.14	-	.67			-
FAIRFIELD 9 N							.18			.13		.45	.92	-	-					.55								T	.73			2.96
SEARING				.35								.25	.80			.08				.66								-	-			-
VERONA					1.75			.30			.40			.50					.05	.60							.10		.50			4.20
AUGUST 1949																														
FORT YATES											T	.50		.44	.18			-	-					T		.02		.03			-
GRAFTON STATE SCHOOL				.05								1.65			.28	.38		.80					T					.03			3.19
OMEMEE 3 SE												.10						.05							.12							0.27
RYDER					.20					T						.15																0.35
SARLES											.06	.02		.09				.17							.09	-	-	-	-	-	-	-
SEPTEMBER 1949																														
BALDHILL DAM			.15			.02	.01					.17	.25	T					.01													0.61
BRIEN					.38	.25					.30	.13																	*			*
GRENORA										.15		.02					.10															0.27
KRAMER 5 SE											.37	.08																				0.46
MADDOCK AGR SCHOOL			.01								.07	.36	.01			.02		.10														0.57
NEW ROCKFORD 6 NW		T	.05			T					.05	.29	.04				.05	.10														0.58
RYDER														.35																		0.35
SARLES	-	-	-	-	-	-	-				.33	.37				.05		.05														-
SEARING										-	.20																					-
VERONA							.15						.30																			0.45
OCTOBER 1948																														
FAIRFIELD 9 N	1.27		.03				*	.18		*	.21							T	.45	T												2.14
MADDOCK AGR SCHOOL	.30					.05	.02	.28	1.39		.12							.23	.51	.15	.18		.04	T				.08	.06			5.37
SEARING							*	*	*	1.02							.35	.38	-	-	-	-	-	-	-	-	-	-	-	-	-		-
STANLEY	.32										.11							.35		.12	-	-	-	-	-	-	-	.40	-	-			1.30
VERONA											1.20										.50												1.70
NOVEMBER 1948																														
BALDHILL DAM		T		T								.25				T				.25							.10					0.60
HANKINSON RR STATION												.55									.14			.12								0.81
NEW ROCKFORD	-	-	-	-	-	-	-	-	-	-	-								.05	.18			.21		.05	.04						-
STANLEY																				T		.10			T								0.10
TURTLE LAKE																			T				.30										0.30
WISHEK												.08								-			-										-

See reference notes following Station Index.

Table 4-

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
BEACB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLEN ULLIN	.01		.01																						.02
HETTINGER EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANDAN EXP STATION			.01			.01																			.02
RICHARDTON ABBEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-
TROTTERS GEN STORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—2d—																									
GOLVA 3 N																			.01	.04					.05
—3d—																									
BEACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-
BAYNES NE								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—5th—																									
AMIDON																			•	•	•	•	•	•	•
BEACB																								.01	.01
EDGELEY EXP FARM																			•	•	•	•	•	•	•
MC GREGOR RR STATION																								•	•
TROTTERS GEN STORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-
—6th—																									
AMIDON	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.05							.05
BALFOUR		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.17							.17
BEACB			.01			.01																			.02
DEVILS LAKE WB CITY												.01	.01												.02
EDGELEY EXP FARM	•	•	•	•	•	.02																			.02
ESMOND	•	•	•	•	•	•	•	•	•	•	•	.02													.02
FARGO WB AIRPORT //														.02	.02	.03	.02	.01	.01						.11
GRANO //	•	•	•	•	•	•	•	•	•	•	•	•	.20												.20
HAYNES 6 NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BAZELTON R R STATION //							•	•	•	•	•	•	•	•	•	•	•	.02							.02
HETTINGER EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD										.03			.01		.01			.01							.06
JAMESTOWN CAA //													.01	.01	.02	.01									.05
KRAMER 5 SE		.01	.01	.01	.01	.01		.01	.01		.01		.01			.01									.10
MC GREGOR RR STATION	•	•	•	•	•	•	•	.05																	.05
MELVILLE			.01				.01	.01			.01		.02												.06
MINOT CAA //	.01	.02	.01	.01	.03	.02	.03	.01	.01			.03		.01											.19
ROLETTE					.01			.03	.01	.03															.08
SARLES 3 E //								.03	.04	.01			.01	.01											.10
SHEYENNE								.03	.01	.01	.03	.01		.01		.01									.11
WAHPETON POWER PLANT																			.01	.03	.02	.01			.07
WILLISTON WB CITY		.02						.02	.01																.05
—7th—																									
WILLISTON WB CITY													.01												.01
												10													
AMIDON																			.01	.01		.01	.01	.01	.05
BALFOUR																					.02	.04	.01	.04	.11
BEACB																				.01	.01	.02	.01		.05
BOWMAN COURT HOUSE //																					.01	.01	.02	.01	.05
BREIEN															.01			.01					.02	.06	.10
CARSON																						•	•	•	•
DAWSON																		-	-	-	-	-	-	-	-
DEVILS LAKE WB CITY																		.01						.01	.02
DICKINSON CAA																					.01		.01	.02	.04
EDGELEY EXP FARM																			.01	.01	.01	.08	.07	.09	.27
FARGO WB AIRPORT //																					.05	.03	.03	.05	.16
FORT YATES																								.05	.05
GLEN ULLIN																								.01	.01
GOLVA 3 N															.01		.01				.01		.01	.01	.05
GRAND FORKS CAA //																						.02	.02	.04	.08
GRANO //												.01	.01	.01							.01			.01	.05
HAYNES 6 NE																							.01	.01	.02
HAZELTON R R STATION //																							.02	.05	.07
HETTINGER EXP FARM																						.01	.01	.01	.03
BUROSFIELO																								.01	.01
JAMESTOWN CAA //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE																							.03	.02	.05
MANDAN EXP STATION																						.01	.01	.01	.03
MC GREGOR RR STATION												.01	.04	.02	.02	.02	.01		.03	.03	.02	.03	.02	.02	.27
MELVILLE													•	•	•	•	•	•	•	•	•	•	•	•	•
MINOT CAA //																					.01	.01	.01		.03
MOTT																					.01		.01	.01	.03
NAPOLEON 1 SE																						•	•	•	•
OAKES																				.01	.07	.07	.07	.07	.29
PEMBINA CAA //																								.01	.01
PETTIBONE																					•	•	•	•	•
RICBARDTON ABBEY																		.01				.01	.01	.03	.08
RIVERDALE																								•	•
ROLETTE																			.01		.01				.02
SHEYENNE																				.01		.01		.01	.03
TROTTERS GEN STORE													•	•	•	•	•	•	•	•	•	•	•	•	•
WAHPETON POWER PLANT																				.01	.01	.08	.12	.16	.38
WILLISTON WB CITY						.01						.02	.10	.04	.04									.01	.22
—11th—																									
AMIDON		.01	.01	.01	.01	.01																			.05
BALFOUR	.02	.02	.02	.01				.01			.01				.01										.10
BEACB	.01	.01	.01																						.03
BISMARCK WB AIRPORT		.01	.01	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.01	.01	.02	.01	.01							.29
BOWMAN COURT BOUSE //			.01	.01	.02	.01	.01		.01																.07
BREIEN	.06	.07	.07	.02	.09	.02	.01		.04	.01	.05	.01	.03	.02	.02	.01	.01		.01						.55
CARSON	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.28							.28
DAWSON	-	-	-	-	-	-	-	-	-	-	.01	.01		.02		.01	.04	-	-	-	-	-	-	-	-
DEVILS LAKE WB CITY	.03	.05	.06	.08	.03	.04	.03	.02	.01	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01				.45
DICKINSON CAA	.02	.01		.01	.01	.02		.01																	.08
EDGELEY EXP FARM	.09	.06	.01	.01	.01		.01	.01	.01	.01		.01			.01	.01	.01	.01		.01	.01	.01		.01	.31
ESMOND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.65							.65
FARGO WB AIRPORT //	.10	.07	.08	.02	.01	.02	.03	.08		.07						.01		.01	.03	.02	.04	.02	.01	.01	.67
FORT YATES	.04	.03	.02	.01	.01	.01	.01																		.12
GLEN ULLIN	.01	.02	.01	.01	.01	.01	.01	.01	.02	.01		.01	.01												.14
GOLVA 3 N	.01	.02	.01	.02	.01	.01	.01	.01																	.10
GRAND FORKS CAA //	.05	.05	.05				.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.35
GRANO	.01	.01	.03	.02	.04	.04	.05	.01	.02	.01				.01											.25
HAYNES 6 NE	.03	.03	.04	.03	.01	.01		.01	.01	.01	.01	.01													.20

See reference notes following Station Index

HOURLY PRECIPITATION

ible 4-Continued

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
ZELTON R R STATION	//	.08	.05	.04	.01	.05	.05	.03	.02	.02	.01	.02	.05	.03	.01	.02	.04	.05	.02		.01					.81
TTINGER EXP FARM		.09	.08	.06	.04	.03	.04	.05	.02	.04	.02	.03	.02	.01	.01											.54
RDSFIELD		.04	.07	.08	.04	.03	.02		.03	.04	.02	.02	.02	.05	.02	.01	.03	.04	.02	.02	.01	.02	.01			.64
AMER 5 SE				.01	.02	.02	.04	.01	.01	.01																.12
NDAN EXP STATION		.02	.02	.01	.01	.01				.01		.01														.09
GREGOR RR STATION		.03	.03	.03	.01	.03	.01	.01			.01	.01	.01		.01		.01									.20
NOT CAA	//	.01	.02	.02	.03	.01	.01	.02	.01	.02	.05	.01	.01	.03	.03	.02		.01				.01			.01	.33
TT		.02	.03	.03	.02	.02	.01	.01	.01	.02																.17
POLEON 1 SE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.51	.51
KES		.05	.08	.05	.01				.03	.01										.01	.01		.01			.26
MBINA CAA	//	.02	.02	.02	.02	.01	.02	.01	.01	.01					.01	.01	.02	.01	.05	.03	.02	.01	.03	.01	.01	.35
CHARDTON ABBEY		.04	.05	.07	.02	.02	.02	.02	.03	.01	.01	.01	.01													.31
VERDALE		*	*	*	*	*	*	.23	.04	.03	.04	.02	.01	.01			.01		.01							.40
LETTE				.01					.01	.01																.03
RLES 3 E	//	.04	.03	.02	.06	.02	.08	.04	.03	.02	.01	.02	.01			.01		.03	.01	.01						.44
STENNE		.05	.08	.10	.04	.02	.05	.05	.01	.01	.01	.02	.01	.01	.01	.01	.01	.02	.01	.02	.01	.01			.01	.57
EPETON POWER PLANT		.11	.11	.19	.11	.08	.13	.14	.15	.02																1.04
LLISTON WB CITY			.03	.03	.02	.01																				.09
													—12th—													
ELEY EXP FARM		.01																-	-	-	-	-	-	-	-	-
GO WB AIRPORT	//		.01	.01																						.02
ND FORKS CAA	//	.02	.02	.01																						.05
RDSFIELD		.01	.01																							.02
ESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-													-
LVILLE		*	*	*	*	*	.87																			.87
KES		.01																								.01
MBINA CAA	//	.01	.02	.01																						.04
STENNE			.01																							.01
													—16th—													
MER 5 SE														*	*	*	*	*	*	*	*	*	*	*	*	*
NOT CAA	//													*	*	*	*	*	*	*	*	*	*	*	*	.03
													—17th—													
RSON		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MER 5 SE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.03							.03
													—18th—													
SMARCK WB AIRPORT			.01	.01																						.02
RDSFIELD			.01	.02																						.03
MER 5 SE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
													—19th—													
SMARCK WB AIRPORT																							.01			.01
ILS LAKE WB CITY											.01	.02	.04	.01												.08
CKINSON CAA								*	*	*	*	*	.02													.02
OWD								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GO WB AIRPORT	//												.01					.01			.01	.01	.01	.02		.07
ND FORKS CAA	//													*	*	*	*	*	.11							.11
MO	//									.02	.02		.01													.05
RDSFIELD																	.01		.01			.01	.01			.04
ESTOWN CAA	//										.05															.05
GREGOR RR STATION														*	*	*	*	*	*	*	*	*	*	*	*	*
LVILLE											.04		.01													.05
OT CAA	//													.01	.03	.01					.01				.01	.07
KES																			.01	.02						.03
MBINA CAA	//														.03	.03	.02	.02	.04	.01						.15
TIBONE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.59							.59
CHARDTON ABBEY														.01		.01										.02
VERDALE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05							.05
LETTE										*	*	*	*	*	*	*	*	*	.02							.02
RLES 3 E	//													.05	.03	.01	.01									.10
STENNE											.01	.01	.01		.01											.04
LLISTON WB CITY														.01												.01
													—20th—													
GO WB AIRPORT	//						.01					.01														.02
ESTOWN CAA	//	.01	.02	.02																						.05
													—21st—													
CH			.01	.01																						.02
ESTOWN CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													—22d—													
DON														*	*	*	*	*	*	*	*	*	*	*	*	*
CH																					.02			.01		.03
SMARCK WB AIRPORT																					.01		.01	.01	.01	.04
MAN COURT HOUSE	//																.01	.01			.01					.03
IEN																						.02	.02	.01		.05
T YATES																								.01	.01	.02
VA 3 N																*	*	*	*	*	*	*	*	*	.05	.03
NES 6 NE																				*	*	*	*	*	*	*
ELTON R R STATION	//																								.03	.03
DAN EXP STATION																				*	*	*	*	*	.02	.02
OLEON 1 SE																									.01	.01
HARDTON ABBEY																		.01		.01						.02
ERDALE																			-	-	-	-	-	-	-	-
LISTON WB CITY																		.01					.01		.01	.03
													—23d—													
MARCK WB AIRPORT			.01																							.01
MAN COURT HOUSE	//										.01															.01
IEN		.01																								.01
T YATES		.01	.01	.01																						.03
ELTON R R STATION	//	.01	.02																							.03
TINGER EXP FARM		.01																								.01
OLEON 1 SE			.01																							.01
ES					.02	.01	.01	.01																		.05
HARDTON ABBEY		.01	.01	.01																						.03
													—24th—													
DON		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.03							.03
FOUR		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05			.05
MARCK WB AIRPORT							.01	.01	.01	.01	.02	.01	.02		.01			.01							.01	.12
IEN																			.01	.01	.01		.01			.04

See reference notes following Station Index.

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
CARSON			.01	.01	.01	.01	.01	.01																		.06
DEVILS LAKE WB CITY								.01	.02	.03	.04	.04	.04	.02	.03											.23
DICKINSON CAA					.02	.02			.01	.01																.06
ESMOND		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.12	.12
FARGO WB AIRPORT	//												.01		.01	.01	.01	.01					.01	.01		.07
GLEN ULLIN		.01	.01	.01						.01																.04
GRAND FORKS CAA	//								.04	.04	.01	.01			.01				.02	.02	.02	.03	.01	.01	.01	.23
GRANO	//					.01	.01	.01		.01	.01	.01	.02	.01	.01											.10
HAYNES 6 NE		*	*	*	*	*	*	*	.05									.02								.07
RAZELTON R R STATION	//				.02	.01			.02	.02		.01	.03	.02								.01	.01	.01	.01	.17
HETTINGER EXP FARM																			.05	.01		.01				.07
HURDSFIELD				.02		.02					.01	.01														.06
MC GREGOR RR STATION		*	*	*	*	*	*	*	*	*	*	*	.15													.15
MELVILLE										.02		.01	.01										.01	.01	.01	.07
MINOT CAA	//								.03				.02													.05
MOTT																			.01	.01	.01					.03
NAPOLEON 1 SE																			.01		.02		.01		.06	.10
OAKES					.01		.01																	.01	.01	.04
PEMBINA CAA	//						–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PETTIBONE		.01								.01	.01															.03
RICHARDTON ABBEY			.01	.01																						.02
RIVERDALE		–	–	–	–	–	–	–																		–
ROLETTE										.02	.03	.01	.01	.01			.01									.08
SARLES 3 E	//									.01	.02	.04	.04	.03	.01	.01	.01	.01	.01			.01				.20
SHEYENNE								*	*	*	*	*	*	*	*	*	*	*	.08							.08
WAHPETON POWER PLANT																								.03	.02	.05
WILLISTON WB CITY				.01	.02	.02	.01	.01	.01										.01							.09
												–25th–														
DEVILS LAKE WB CITY							.01																			.01
FARGO WB AIRPORT	//	.04	.03	.07	.01								.01													.16
GRAND FORKS CAA	//	.02								.01		.02														.05
GRANO	//		.01	.01																						.02
RAZELTON R R STATION	//	.02																								.02
MELVILLE		.01	.01																							.02
NAPOLEON 1 SE			.01	.01																						.02
OAKES		.02		.01																						.03
PEMBINA CAA	//	–	–	–	–	–	–	–	–	–	–	–	–			•										–
WAHPETON POWER PLANT		.03	.01																							.04
												–26th–														
BEACR		.01	.01																						.02	.04
BISMARCK WB AIRPORT								.02	.01																	.03
BREIEN		.01	.01																							.02
DEVILS LAKE WB CITY												.01	.01													.02
FARGO WB AIRPORT	//												.02					.01								.03
GLEN ULLIN						.01				.01																.02
GOLVA 3 N																								.02	.05	.07
HAYNES 6 NE																									.01	.01
JAMESTOWN CAA	//	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MANDAN EXP STATION							.01	.02	.02																	.05
TROTTERS GEN STORE		*	*	*	*	*	*	*	*	*	.13															.13
												–27th–														
BALFOUR																									.01	.01
BEACH		.01	.01																							.02
BREIEN			.01	.01	.01																					.03
CARSON				.04	.01																					.05
DICKINSON CAA				.01			.01					.01								.01			.01			.05
FORT YATES					.01	.02	.01	.01																		.05
GOLVA 3 N		.01	.01																							.02
GRANO	//																								.03	.03
HANNAFORD		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HAYNES 6 NE		.02																								.02
MC GREGOR RR STATION																								.01	.02	.03
MINOT CAA	//																								.05	.05
MOTT				.02	.01																					.03
RICRARDTON ABBEY									.01																	.01
WILLISTON WB CITY																						.01	.05	.02	.01	.09
												–28th–														
BALFOUR		.04	.04	.03	.01																					.12
DEVILS LAKE WB CITY			.03	.06	.05	.05	.01		.01																	.21
EDGELEY EXP FARM		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GRAND FORKS CAA	//		.01	.04	.06	.05	.03			.01																.20
GRANO	//	.03	.02	.02	.02	.01																				.10
KRAMER 5 SE		*	*	*	*	*	*	*	*	*	*	*	.25													.25
MC GREGOR RR STATION		.03	.03	.02																						.08
MINOT CAA	//	.07	.06	.03	.02																					.18
MOTT		.01	.01																							.02
NAPOLEON 1 SE		.01	.01	.01																						.03
PEMBINA CAA	//				.03	.03	.02	.02																		.10
ROLETTE		.01	.06	.02	.01	.01																				.11
SARLES 3 E	//	*	*	*	*	*	*	*	*	*	*	*	.10													.10
SHEYENNE		.02	.03	.02	.02	.01																				.10
WILLISTON WB CITY			.01																							.01

See reference notes following Station Index.

HOURLY PRECIPITATION

Table 4-Continued

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
JUNE 1949													DELAYED DATA												
DAWSON	.SO	.04											1												.54
OMEMEE 3 SE	.2S	.3S	.10	.06	.04		.07	.13	.08																1.08
RAUB	.23	.47	.09	.16	.07	.02																			1.04
DAWSON							.21	.12	.02				9												.3S
OMEMEE 3 SE													11				.03	.17	.20		.08				.48
RAUB																							.08	.04	.12
DAWSON								.12	.02				12												.14
RAUB	.01	.03		.09	.01	.0S		.01	.01																.21
SEARING	.09	.01	.05																						.1S
DAWSON													15	.09											.09
SEARING														-	-	-	-	-	-	-	-	-	-	-	-
OMEMEE 3 SE													16										.03	.20	.23
RAUB													.01	.01							.17	.14	.01	.32	.66
DAWSON	.10	.01	.02										17												.13
OMEMEE 3 SE	.02	.07	.03	.27	.11		.01	.01	.02		.D3														.S7
RAUB	.05	.34	.02	.01	.01	.03		.01	.01																.48
DAWSON	.02	.03											19										.24	.01	.30
OMEMEE 3 SE							.01	.02	.01	.04						.01		.03							.13
RAUB	.02	.02	.0S	.04	.04	.02	.03																		.22
DAWSON													21										.04	.01	.0S
RAUB													22				.06	.02							.08
DAWSON													23						.1S						.1S
RAUB			.0S	.01	.01								24												.07
OMEMEE 3 SE								.02	.02	.01	.01	.01	25	.03	.03	.01									.14
RAUB																					.02	.02			.04
DAWSON										-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-
SEARING	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-					
DAWSON	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-
JULY 1949																									
SEARING													4			.28	.07								.35
BALFOUR RR STATION	*	*	*	*	*	*	*	*	*	*	*	*	5	*	*	*	*	*	*	*	*	*	*	*	*
OAKES WATER WORKS									.11	.03	.01														.15
BALFOUR RR STATION	*	*	*	*	*	*	*	.07					6												.07
OAKES WATER WORKS		.02	.01																						.03
OAKES WATER WORKS													7										.08	.20	.28
OAKES WATER WORKS	.08												8												.08
OAKES WATER WORKS													10								.02	.01		.02	.0S
OAKES WATER WORKS	.01	.01	.01	.01	.03	.02	.01						11												.10
BALFOUR RR STATION									.02	.02			12			.02									.06
OAKES WATER WORKS																							.01	.01	.02
BALFOUR RR STATION							.07	.01	.01	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-
OAKES WATER WORKS					.02	.12	.14	.14	.0S	.09	.06	.0S	.06												.73
SEARING		.49	.08	.17	.01	.01	.02	.02																	.80
SEARING													16												
OAKES WATER WORKS											.01		17		.02										.03
OAKES WATER WORKS													20							.06	.02		.01	.01	.10
SEARING																.37	.2S	.04							.86
OAKES WATER WORKS													23								.11	.02			.13
OAKES WATER WORKS			.07										27										.26	.61	.94
SEARING												-		-	-	-	-	-	-	-	-	-	-	-	-
OAKES WATER WORKS	.36	.01											28												.37
SEARING	-	-	-	-	-	-																			-
BALFOUR RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-
AUGUST 1949																									
SARLES													11											.06	.06
OMEMEE 3 SE					.10								12												.10
SARLES	.01	.01																							.02
SARLES													14			.06	.01	.01	.01						.09
OMEMEE 3 SE													18						*	*	*	.05			.0S
SARLES																	.08	.01	.08						.17
OMEMEE E													25									.12			.12
SARLES																								.09	.09

See reference notes following Station Index

Table 4-Continued

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
AUGUST 1949 CONTINUED													DELAYED DATA												
													26												
SARLES	.04	.16	.01							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													31												
SARLES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEPTEMBER 1949																									
													1												
SARLES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													3												
EDGELEY EXP FARM																									-
													5												
EDGELEY EXP FARM																								.04	.04
													6												
EDGELEY EXP FARM	.02	.01										.02	.06	.05	.01	.02									.19
													7												
SARLES	-	-	-	-	-	-	-	-	-	-	-	-													-
													10												
SEARING													-	-	-	-	-								-
													11												
EDGELEY EXP FARM													.03												.03
GARRISON			.01					.01	.05	.23	.05														.35
KRAMER 5 SE												.26	.06	.03											.37
RIVERDALE GARRISON DAM								.07	.31	.20	.02														.60
SARLES														.20	.12		.01								.33
SEARING				.05	.15																				.20
													12												
EDGELEY EXP FARM									.05	.01		.01	.01												.08
KRAMER 5 SE					.01		.01							.01	.02		.02	.02							.09
SARLES								.02	.08	.02	.02			.01	.06	.02	.04	.05	.02	.02	.01				.37
													16												
SARLES																								.05	.05
													18												
GARRISON				*	*	*	.05																		.05
SARLES									.05																.05
													30												
RIVERDALE GARRISON DAM									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCTOBER 1949																									
													1												
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													7												
SEARING											*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
													10												
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-
SEARING	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.02	1.02
													17												
SEARING																				.05	.05	.05	.05	.15	.35
													18												
EDGELEY EXP FARM												.01	.18	.08	.01										.28
SEARING	.06	.04	.10	.05	.04	.01		.05	.03																.38
													19												
EDGELEY EXP FARM							.02	.03																	.05
SEARING								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													20												
EDGELEY EXP FARM		.01			.01		.01				.01					.01		.03	.02						.10
													21												
EDGELEY EXP FARM										.01	.01		.01	.01	.01										.05
													29												
EDGELEY EXP FARM													-	-	-	-	-	-	-	-	-	-	-	-	-
													30												
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEARING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- CORRECTIONS -

MONTH: June, 1949

Table 2 — Dickinson Experimental Farm, delete number days 32° or below. Lowest temperature should be 34° on the 4th. Genora, delete number days 32° or below, New England, lowest temperature should be 27° on the 4th. Add 1 in days of 32° or below.

MONTH: July, 1949

General Summary — Lowest temperature should be 33° on the 22nd.

Table 3 — Data published for Medora 1 W should be Medina 1 W.

MONTH: September, 1949

Table 3 — Hankinson RR Station, delete * on the 5th, amount should be .10; delete * on the 6th, should be 0; delete .10 on the 7th, amount should be .21. Monthly total should be .61.

Table 4 — Hettinger, delete amounts shown on the 4th, 6th and 11th. Add on the 4th .01 at 1 PM., .04 at 2 PM., .02 at 3 PM., total .07. On the 6th, .02 at 4 AM., .02 at 5 AM., .06 at 6 AM., .04 at 7 AM., .04 at 8 AM., .01 at 9 AM., .05 at 10 AM., .04 at 11 AM., .06 at Noon, .01 at 1 PM., .01 at 2 PM., .02 at 3 PM., total .38. On the 11th, .06 at 2 AM., .01 at 3 AM., total .07.

MONTH: November, 1949

Table 3 — Golva, daily total on the 30th should be .02 instead of .07. Monthly total should be .02.

Table 4 — Golva, delete entries on the 30th. Add on the 30th * at 7 PM, * at at 8 PM, * at 9 PM, .02 at 10 PM, Total .02.

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	44	58	50	37	30	34	15	19	39	31	29	2	2	9	24	16	15	18	16	8	21	20	- 1	10	9	27	20	23	14	41	18	22.5
	MIN	27	30	29	22	14	10	00	- 6	6	20	- 4	- 8	-17	-12	6	6	00	1	4	-12	- 7	-11	-17	-17	-11	- 1	4	- 2	- 5	8	- 7	1.8
AMENIA	MAX	30	38	41	39	39	28	22	14	22	32	33	- 8	- 2	2	18	29	27	18	30	30	11	10	- 1	12	20	15	10	6	15	37	33	21.5
	MIN	21	22	31	19	16	18	1	-10	2	21	2	- 8	-13	-16	-10	5	15	9	7	- 5	-14	- 7	-14	-21	- 3	-12	- 8	-13	-10	10	- 5	1.0
AMIDON	MAX	46	59	58	32	32	35	20	22	45	40	21	6	2	22	31	30	22	20	12	7	22	19	10	13	14	25	22	31	43	41	29	28.8
	MIN	22	34	15	10	14	12	2	1	2	19	- 8	-11	-17	- 3	12	8	4	00	00	-18	2	-12	-14	-12	-13	10	13	- 3	- 3	22	6	3.0
ARVILLA STATE PARK	MAX	26	36	43	35	30	22	17	16	23	30	30	5	- 2	00	15	23	23	15	25	25	8	11	- 8	5	10	13	6	- 4	5	33	19	17.3
	MIN	13	23	28	22	8	14	- 1	- 6	5	21	5	- 9	-14	-17	-14	6	9	2	6	-15	-22	-18	-21	-28	-18	-20	-16	-20	-21	- 7	-16	- 3.9
ASHLEY	MAX	41	50	45	38	30	40	12	17	32	32	30	2	- 3	7	18	19	19	15	24	23	15	14	- 3	15	18	18	18	17	15	36	25	21.9
	MIN	23	25	25	18	9	15	- 3	-12	7	20	- 2	- 9	-16	-22	- 3	8	9	6	6	-11	-17	-17	-13	-25	- 6	- 9	00	-10	- 7	8	- 6	- .3
BALDHILL DAM	MAX	37	34			41	30	23	7	16			30	2	- 2	4	20			23	24	- 2	13	- 4				15	4	8	25		
	MIN	19	22			9	9	- 4	-17	-17			-12	-20	-24	-25	- 2			1	- 4	-20	-13	-19				00	-12	-10	-11		
BEACH	MAX	41	54	44	33	34	36	22	24	44	34	16	2	10	24	33	25	20	20	9	12	22	12	12	13	12	25	23	32	38	37	30	25.5
	MIN	17	31	24	17	11	11	2	3	13	15	- 9	-10	-17	- 7	10	11	2	4	- 5	-18	2	-14	-16	- 6	-14	5	7	- 4	- 3	13	2	2.5
BELCOURT INDIAN RES	MAX	29	40	40	34	27	18	7	6	22	25	24	- 4	- 2	- 3	22	9	10	14	13	7	12	14	3	- 3	5	12	10	3	00	33	5	13.9
	MIN	5	22	25	17	00	3	- 8	-23	00	15	- 7	-14	-19	-28	-13	00	00	2	4	-20	-22	-18	-24	-32	-13	-13	-23	-20	-19	- 3	-25	8.1
BELFIELD	MAX	47	43	38	36	35	31	27	22	44	31	20	- 5	8	18	28	16	18	7	11	8	20	17	6	14	10	28	17	26	34	39	20	23.0
	MIN	23	31	25	17	8	13	00	- 1	10	18	- 6	- 9	-17	-12	- 3	3	- 2	- 1	-18	-16	- 2	-12	-15	-12	-14	- 6	2	- 3	- 2	10	- 8	0.0
BISBEE	MAX	46	42	37	36	27	23	12	9	25	27	26	1	- 6	- 6	16	13	13	14	16	15	12	11	- 2	00	00	12	11	2	- 1	22	5	14.8
	MIN	26	25	24	18	10	11	- 4	-14	4	18	00	-17	-17	-23	-14	00	6	5	5	-15	-19	-18	-19	-20	- 9	-12	-15	-13	-15	- 2	-17	- 3.8
BISMARCK WB CITY	MAX	41	54	59	40	39	33	34	14	19	34	32	18	3	1	4	20	16	15	19	18	3	20	2	4	12	12	25	18	11	28	41	22.2
	MIN	24	27	32	24	13	18	00	-11	5	16	- 5	- 9	-20	-24	- 3	2	7	2	9	-11	- 9	-10	-10	-15	- 5	- 5	- 7	- 5	- 4	3	- 8	.7
BISMARCK WB AIRPORT	MAX	39	60	43	38	33	35	14	19	34	32	30	2	00	3	21	16	14	14	19	2	21	2	- 1	13	4	25	8	17	14	40	12	20.1
	MIN	26	30	28	18	11	8	- 5	-11	14	19	- 4	-10	-22	-25	- 6	8	6	1	1	-12	-10	-10	-21	-17	- 6	- 6	- 8	- 6	- 4	1	- 8	.6
BOTTINEAU	MAX	30	40	39	36	30	23	11	11	24	25	18	- 2	- 5	- 2	17	13	14	8	14	13	11	11	12	5	00	14	11	4	1	27	1	14.8
	MIN	13	23	20	15	7	10	- 8	-17	3	- 2	- 2	-16	-20	-27	- 9	2	3	- 2	2	-19	-10	-19	-20	-21	-11	- 8	-18	-15	-12	- 2	-21	5.8
BOWBELLS R R STATION	MAX	35	49	55	37	35	30	15	18	12	21	23	12	- 5	5	12	23	8	12	15	12	13	19	15	- 4			18	- 1	2	27	37	19.0
	MIN	11	19	26	18	10	12	-10	- 7	- 5	-11	-11	-13	-17	-24	-29	1	- 2	- 1	1	-18	-19	-17	-24	-24			-16	-11	-11	-11	-21	7.0
BOWMAN COURT HOUSE	MAX			49	39	38					40	24	00	00	23	28	29	23	24	25	6	17	18	11	9	10	23	20	19	28	28	28	22.4
	MIN			24	16	11	1				28	- 8	- 8	-21	- 3	14	9	2	2	-13	-13	- 6	-12	-10	- 9	-12	- 4	10	00	00	18	7	.7
BUTTE	MAX	41	54	47	37	35	26	12	10	30	29	29	- 3	- 1	3	19	11	12	15	17	9	16	17	00	4	22	5	11	14	35	15		19.0
	MIN	22	30	28	21	14	11	- 8	-13	10	14	- 4	-11	-15	-19	- 2	4	- 2	2	5	-13	-10	-13	-18	-14	- 5	- 5	- 8	- 8	9	-12		.3
CARRINGTON	MAX	47	34	40	42	31	30	22	6	22	25	29	8	- 2	- 4	5	13	17	14	15	20	2	19	- 5	- 4	9	4	20	3	3	22	34	18.8
	MIN	24	27	27	24	14	15	- 6	-12	-11	14	- 9	-12	-16	-17	-17	- 4	6	9	10	- 6	-14	-10	-13	-19	- 7	- 8	- 5	- 8	-11	-10	- 9	1.7
CARSON 2 S W	MAX	48	57	47	38	32	35	20	21	40	30	29	00	14	4	25	18	15	15	15	8	15	17	- 1	10	8	25	16	16	13	40	25	22.4
	MIN	25	28	25	18	11	11	- 4	- 7	10	19	- 4	-11	-15	-22	2	5	- 2	- 1	5	-13	-12	-17	-18	-17	-12	- 4	- 3	- 1	- 8	8	- 8	.4
CAVALIER POWER PLANT	MAX	24	36	41	34	31	22	15	19	23	29	28	5	3	8	11	17	16	19	20	20	8	8	8	00	8	6	7	00	2	30	26	16.9
	MIN	14	20	29	21	12	15	00	- 2	8	20	4	- 7	-13	-14	- 9	4	10	9	12	- 9	-17	-12	-21	-26	-14	-17	- 9	-17	-16	- 7	-14	1.5
CENTER	MAX	35	55	51	42	31	32	15	14	33	30	27	00	- 1	- 2	18	12	12	14	15	8	20	18	- 1	10	6	25	12	18	14	38	10	19.7
	MIN	22	26	27	19	8	10	-12	-12	7	15	- 4	-12	-18	-38	-12	6	4	- 2	- 3	-19	-15	-14	-22	-23	-12	- 8	-12	- 4	-12	5	-15	3.9
COOPERSTOWN	MAX	34	36	41	36	33	25	18	13	23	30	30	5	- 4	- 4	13	21	22	22	24	24	11	10	- 5	9	12	15	7	2	8	33	29	18.5
	MIN	20	26	26	22	12	11	- 2	-16	5	20	4	-11	-11	-25	-12	6	12	- 1	12	- 9	-20	-14	-16	-23	- 6	-14	-12	-15	-14	7	-11	1.8
CROSBY	MAX	34	37	49	36	35	33	16	6	16	29	24	- 3	- 5	- 2	10	20	10	12	12	8	8	20	- 8	00	1	12	18	- 1	- 2	20	24	15.1
	MIN	14	15	26	18	11	12	- 6	-13	- 8	11	- 8	-13	-17	-23	-23	- 4	- 5	- 4	5	-21	-21	-16	-18	-18	-18	-15	-14	-14	-13	- 5	-23	6.7
DEVILS LAKE W B CITY	MAX	27	44	36	34	28	19	8	11	24	28	25	- 3	- 8	- 4	11	14	10	14	19	5	10	- 2	- 5	4	2	12	00	- 2	10	31	00	13.0
	MIN	21	25	27	21	14	5	- 7	-10	11	23	- 4	-13	-17	-21	- 7	4	2	2	5	-17	-19	-14	-18	-20	-10	-10	-13	-13	-13	- 3	-14	2.7
DICKINSON CAA	MAX	46	57	38	36	32	34	16	22	46	30	13	1	5	17	29	17	18	16	13	6	21	6	- 1	10	13	25	18	26	29	39	23	22.6
	MIN	28	29	24	17	12	5	- 1	00	11	13	- 9	-11	-18	- 4	6	6	3	1	- 7	-16	- 3	-11	-16	- 8	-14	8	5	- 3	- 1	3	- 2	1.5
DICKINSON EXP STAATION	MAX	44	47	59	44	36	33	33	16	23	45	26	- 2	2	6	19	29	12	20	16	14	20	22	6	1	10	22	25	25	6	31	39	23.5
	MIN	27	27	27	18	8	12	2	- 1	- 1	8	- 3	-11	-19	-18	- 9	4	- 1	- 1	00	-17	-17	-11	-17	-16	-14	-13	1	00	- 6	2	- 4	1.4
DRAKE	MAX	36	39	55	48	39	44	31	14	23	29	28	10	- 2	- 1	5	16	12	13	15	18	8	16	- 4	- 4	4	15	18	5	7	20	37	19.2
	MIN	20	20	29	21	13	13	-14	-18	-14	9	2	-11	-18	-22	-22	- 4	2	1	00	-15	-16	-15	-19	-24	- 9	- 9	- 8	- 9	- 7	- 8	-14	4.7
DUNN CENTER	MAX	40	40	57	40	37	33	27	11	23	42	24	- 3	1	2	11	24	12	14	16	14	14	22	2	1	10	10	27	18	11	25	38	20.7
	MIN	23	27	27	18	7	18	- 4	-12	- 8	10	- 4	-13	-20	-27	-14	- 1	- 6	- 6	- 3	-18	-12	-15	-22	-21	-14	-14	-10	1	- 8	2	-10	4.1
DUNSEITH ST SANITARIUM	MAX	39	40	41	34	31	27	18	11	24	25	26	10	6	12	17	15	11	14	15	15	17	13	- 5	- 6	- 6	15	15	- 2	- 2	31	12	16.5
	MIN	10	22	25	15	8	9	- 8	-20	1	15	- 4	-13	-18	-21	-12	3	1	1	9	-16	-21	-15	-20	-23	-12	-10	-14	-11	-13	- 5	-20	5.1
ECKMAN	MAX	35	35	54	37	35	29	19	2	9	26	26	1	- 4	- 5	- 1	18	12	13	14	15	- 1	18	- 3	- 3	1	5	18	00	1	5	30	14.2
	MIN	12	11	26	19	7	7	-17	-23	-24	6	00	-12	-20	-31	-31	-12	3	4	10	-17	-20	-16	-26	-25	-15	-15	-15	-17	-11	-10	-24	8.9
EDGELEY EXP FARM	MAX	41	44	48	38	32	33	22	15	25	30	21	2	- 4	6	18	22	22	18	25	25	15	- 4	- 4	14	17	18	11	19	15	38	30	21.0
	MIN	26	24	28	18	12	15	- 3	-12	2	15	2	- 8	-13	-20	- 8	4	10	8	10	- 7	-15	-11	-18	-22	- 5	-11	- 4	-10	-11	5	- 8	- .2
EDMORE 1 W	MAX	29	37	40	35	28	22	11	12	22	27	26	2	- 8	- 5	11	12	13	15	17	17	5	10	- 6	00	00	5	00	- 7	1	27	12	13.2
	MIN	23	23	25	18	10	11	- 1	- 8	5	19	1	-12	-18	-22	-12	8	3	- 3	9	-14	-24	-16	-25	-27	-11	-18	-17	-21	-21	- 3	-19	4.4
ELBOWOODS	MAX	56	58	54	38	33	31	15	20	23	26	21	1	1	18	19	18	18	18	14	6	8	20	- 3	10	18	21	9	13	19	36	15	21.1
	MIN	26	24	26	16	4	10	- 5	-16	3	14	- 7	-15	-22	-23	-26	4	3	4	- 1	-22	-20	-21	-26	-26	-20	- 4	-13	- 6	-11	- 2	-17	5.5
ELLENDALE	MAX	43	41	46	40	36	36	29	15	28	33	33	10	2	8	23	26	24	18	28	29	18	16	- 1	20	20	18	18	20	20	38	37	24.9
	MIN	28	24	32	24	13	17	00	- 8	- 1	14	9	- 5	-10	-16	- 2	10	12	12	14	- 4	-16	- 8	- 8	-19	- 2	-10	- 1	- 6	- 8	9	- 3	2.9
EPPING	MAX	38	52	45	35	30	30	10	14	26	26	4	- 3	- 1	10	20	17	13	14	13	00	20	4	- 2	3	3	16	17	5	15	25	8	16.4
	MIN	15	25	22	12	10	7	- 1	-12	8	00	- 3	-20	-24	-26	- 3	6	00	- 9	- 2	-22	- 8	-20	-20	-12	-20	-17	-12	- 5	- 8	- 8	-20	5.4
FARGO WB AIRPORT	MAX	28	37	40	37	28	28	11	10	25	33	33	2	- 3	00	17	29	24	16	31	22	7	6	- 3	24	26	17	7	9	24	35	16	19.9
	MIN	20	27	28	24	14	11	- 6	-10	9	22	2	- 7	-14	-18	- 1	7	16	7	13	-12	-14	-12	-17	-17	-10	-10	-11	- 8	-10	8	- 5	.8
FESSENDEN	MAX	38	53	45	36	35	25	16	12	18	29	16	- 1	- 5	00	15	12	12	17	16	15	15	11	- 6	- 4	4	20	11	7	13	34	26	17.3
	MIN	25	26	20	13	18	9	-11	-14	- 4	00	- 6	-12	-16	-21	-10	- 1	3	00	1	-13	-14	-14	-18	-20	-16	- 2	-10	- 8	- 8	- 1	-11	- 3.7
FORMAN	MAX	38	44	42	39	33	35	25	10	26	32	34	5	00	5	24	30	29	20	27	29	11	10	1	16	24	17	11	15	16	38	33	23.2
	MIN	24	25	30	23	14	18	- 3	-12	1	18	5	- 5	-10	-14	- 2	9	13	14	16	- 5	-13	- 6	-13	-19	- 3	- 3	00	- 4	- 7	9	- 2	3.2
FOXHOLM WILDLIFE REF	MAX	41	56	51	36	33	25	13	14	28	28	26	5	- 4	9	13	18	10	9	15	6	20	9	5	3	3	19	17	1	00	33	13	17.9
	MIN	14	29	29	21	9	13	-13	-24	8	14	- 3	-10	-17	-28	- 7	2	- 2	12	6	-18	-11	-15	-17	-22	-11	- 4	-12	- 7	-15	- 4	-23	3.4
FULLERTON	MAX	41	41	45	38	34	24	10	15	25	32	32	12	- 1	5	20	25	24	18	28	27	16	14	- 4	18	15	18	15	19	20	37	30	22.4
	MIN	27	25	32	24	24	- 2	- 3	-10	2	21	2	- 7	-12	-19	- 5	7	11	11	14	- 5	-17	-10	-10	-22	- 4	-12	- 4	- 6	- 9	9	- 5	1.5
GACKLE	MAX	39	45	47			32	17	16	25	38	30	00	- 6	00	14	18	21	20	23	22	15	13	9	10				19	15			20.1
	MIN	23	27			12	16	- 4	-12	4	15	- 1	-10	-16	-19	- 5	5	1	00	12	- 9	-16	-13	-13	-23				-10	- 8			1.8
GARRISON	MAX	34	52	38	35	31	11	9	17	32	27	23	- 1	- 1	3	18	12	11	17	17	- 2	17	00	1	6	1	23	8	13	14	32	9	18.4
	MIN	20	29	21	19	9	- 5	-11	-13	11	12	- 7	-12	-18	-24	- 5	5	- 2	7	- 6	-16	- 9	-13	-17	-15	-10	- 5	- 6	- 6	- 3	- 7	-10	2.8
GRAFTON STATE SCHOOL	MAX	35	40	35	31	23	17	19	23	29	29	29	6	- 1	3	17		20	18	24	24	8	- 4	- 5	3	9	10	6	- 2	1	32	27	16.7
	MIN	15	18	27	22	12	2	4	2	7	21	5	- 7	-12	-16	- 8		7	8	10	- 7	-21	-11	-22	-28	-28	-22	-23	-23	-18	00	-15	3.4
GRAND FORKS CAA	MAX	26	36	39	35	27	24	10	16	25	31	30	3	- 3	- 1	14	25	19	17	28	10	6	5	- 8	12	12	14	3	- 3	13	32	2	16.1
	MIN	17	23	27	22	12	9	00	- 4	7	24	3	- 8	-14	-18	- 6	9	13	4	10	-18	-18	-18	-21	-22	-15	-15	-17	-18	-19	1	-13	2.0
GRAND FORKS UNIVERSITY	MAX	27	36	39	35	26	24	9	18	23	31	23	3	- 3	- 3	14	25	19	17	27	9	8	5	- 8	12	12	12	1	- 3	15	32	2	15.7
	MIN	24	24	27	22	14	9	2	- 3	8	25	3	- 7	-14	-18	- 8	11	13	4	9	-15	-15	-17	-18	-19	-13	-14	-16	-15	-15	4	-10	- .6
GRANVILLE	MAX	39	56	47	36	31	26	10	10	29	29	29	- 3	- 4	00	16	15	11	17	18	9	18	18	2	3	3	18	7	00	8	31	6	17.3
	MIN	16	27	28	17	9	5	-15	-23	7	14	- 5	-16	-21	-25	- 9	3	00	6	7	-20	-19	-18	-26	-21	-11	- 5	-14	-12	-14	00	-21	5.0
GRENORA	MAX	40	36	30	31	30	23	10	15	25	25	21	- 4	- 4	10	17	15	13	13	9	3	2	- 5	- 8	5	9	11	5	2	- 5	25	17	13.4
	MIN	16	19	23	21	10	8	- 4	-11	10	20	-11	-18	-21	-27	4	4	- 3	8	- 8	-21	-17	-20	-18	-22	-20	- 1	-15	- 6	- 6	-12	-21	- 4.5
HANKINSON R R STATION	MAX	43	33	38	42	39	33	32	13	16	28	34	34	8	2	7	28	32	22	25	31	8	12	1	- 2	28	8	19	12	15	27	38	22.8
	MIN	20	22	27	26	17	16	2	- 3	- 7	-10	-10	5	11	16	17	8	-11	-11	-11	-20	- 2	- 2	2	2	- 4	- 7	- 5	- 1	2.4
HANNAH	MAX			40	30	24	21	7	9					13	9	11	13	15	9	10	10	11	- 2	- 2	10	7	4	00	26	8	12.3
	MIN			27	18	9	7	- 5	- 8	4	4	00	-12	-17	-21	-10	1	4	2	8	-18	-19	-18	-23	-20	-19	-14	-16	-21	-22	- 4	-19	7.0
HANSBORO	MAX	31	43	40	34	28	20	7	11	24	35	25	00	- 3		16	10	17	13	15	7	11	10	- 3			14	8	- 3	00	34	1	15.9
	MIN	14	24	26	16	9	5	-12	-12	1	15	- 5	-12	-16		-11	00	00	00	5	-18	-20	-18	-21			-11	-14	-20	-20		-20	4.3
HILLSBORO	MAX	28	36	40	37	28	24	19	12	22	31	31	8	- 3	00	17	28	27	26	29	29	10	7	- 4	12	12	14	9	2	13	35	29	19.6
	MIN	17	25	31	22	14	19	00	-10	3	20	8	-10	-16	-19	-14	5	8	5	14	- 5	-17	-10	-12	-22	-14	-14	- 8	-12	-15	5	- 8	.3

See reference notes following Station Index

Table 5–Continued

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JAMESTOWN CAA	MAX	43	45	44	38	33	26	10	16	26	31	30	- 1	- 3	2	15	22	15	18	24	10	16	7	- 1	14	13	16	5	6	13	37	8	18.8
	MIN	26	27	28	22	13	7	-10	-13	12	22	- 2	-11	-20	-21	- 4	5	00	3	9	-18	-17	-12	-21	-23	-11	- 9	-12	- 8	-11	2	- 9	1.8
JAMESTOWN STATE HOSP	MAX	38	43	46	37	32	26	16	16	25	31	31	1	- 5	- 1	14	22	21	18	24	21	15	13	- 5	13	14	15	8	5	13	38	17	19.4
	MIN	27	27	30	23	13	16	- 2	-12	5	22	1	- 8	-16	-22	- 7	5	4	4	11	-11	-16	- 9	-13	-22	- 9	-10	- 6	-12	-10	8	- 7	.1
KENMARE	MAX	36	40	54	40	39	31	17	14	17	31	23	- 2	- 2	- 1	14	24	18	14	14	10	13	19	11	9	1	12	22	17	8	24	30	19.3
	MIN	19	19	29	19	13	13	- 8	-15	- 5	11	- 7	-13	-15	-22	21	2	00	- 2	6	-17	-18	-16	-20	-18	-12	-13	-13	-11	-12	-10	-20	3.7
KENSAL WILDLIFE REFUGE	MAX	31	39	37	30	27	25	14	7	23	30	28	3	- 5	2	18	20	19	17	21	20	16	6	00	10	6	- 2	- 2	- 5	11	34	7	15.7
	MIN	23	22	25	24	7	14	- 7	-18	4	20	3	-11	-17	-27	-18	- 2	- 1	- 4	12	-14	-21	-14	-21	-26	-11	-11	-10	-15	-13	4	-13	3.7
LA MOURE	MAX	42	42	43	38	32	33	20	15	26	32	30	3	- 2	5	20	25	24	18	26	26	16	16	- 3	15	20	17	14	13	18	38	34	22.5
	MIN	26	26	31	23	12	19	- 3	-13	4	24	00	- 8	-13	-19	- 5	5	11	10	14	- 2	-17	-12	-14	-26	- 5	-12	- 2	- 8	-10	9	- 5	1.3
LANGDON EXP FARM	MAX	27	37	40	32	25	20	10	11	22	25	23	00	- 7	- 3	12	11	10	14	15	12	5	5	- 7	- 4	- 3	7	00	- 2	- 1	26	15	12.2
	MIN	13	20	25	17	8	10	- 3	- 9	4	20	00	-12	-17	-22	-12	1	2	2	10	-14	-20	-15	-25	-28	-12	-15	-16	-18	-18	- 5	-16	4.7
LARIMORE	MAX	39	38	45	37	35	23	21	15	24	32	24	14	-10	5	11	22	22	20	27	28	13	13	- 5	8	17	17	10	- 1	12	34	23	19.8
	MIN	21	29	28	21	14	10	00	- 6	6	9	4	-10	-14	-17	-19	5	6	2	12	-12	-12	-13	-17	-21	- 9	-14	-11	-15	-18	4	-13	1.8
LEEDS	MAX	26	44	43	35	30	22	11	12	26	28	25	00	- 6	00	12	10	15	15	16	15	10	10	- 2	00	10	12	- 2	- 2	5	27	5	14.8
	MIN	19	24	27	19	12	11	- 4	-14	7	19	00	- 8	-19	-24	4	- 2	- 2	- 2	10	-15	-16	-15	-18	-20	-17	-11	-15	-12	-14	2	-17	2.9
LINTON	MAX	43	60	48	40	32	34	18	20	35	34	34	5	00	4	20	20	18	16	22	15	20	15	- 1	16	17	23	12	14	15	38	25	23.0
	MIN	23	30	28	15	6	16	- 3	-14	15	21	1	-15	-18	-31	- 8	10	5	4	11	-13	-20	-11	-21	-23	- 8	- 8	- 7	- 8	- 5	11	- 9	.8
LISBON	MAX	41	39	43	42	40	32	31	12	20	28	33	16	16	00	3	19	29	17	22	29	3	13	- 1	- 1	22	6	16	10	9	29	38	21.2
	MIN	23	27	28	26	13	18	00	-10	-11	20	10	- 6	-12	-18	-16	- 1	14	14	11	2	-14	- 9	-13	-24	- 1	- 9	- 5	-12	- 9	- 8	- 3	.8
MADDOCK AGR SCHOOL	MAX	31	48	44	34	30	25	13	13	25	29	29	00	- 5	00	14	13	11	16	16	15	12	11	- 5	3	2	20	11	2	5	29	6	18.0
	MIN	19	25	27	21	10	13	- 5	-17	5	18	00	-12	-18	-24	- 3	3	1	- 2	11	-16	-19	-15	-20	-23	- 9	-12	-12	-12	-14	4	-15	- 2.9
MANDAN EXP STATION	MAX	39	39	57	39	37	32	34	12	17	33	31	4	1	- 1	1	20	15	12	18	18	3	19	00	3	11	9	25	18	8	23	39	19.9
	MIN	26	27	31	22	12	14	00	-11	- 6	16	4	- 9	-14	-25	-21	- 3	7	00	1	- 9	-11	-11	-10	-18	- 6	- 6	- 4	- 2	- 6	- 2	- 9	.7
MANDAN FT LINCOLN PARK	MAX	38	61	53	39	33	35	26	18	35	31	31	12	8	6	23	14	18	13	20	14	23	20	8	12	12	26	20	18	12	42	22	24.0
	MIN	26	29	29	23	13	15	- 2	-12	11	19	- 1	-10	-17	-25	- 6	-14	6	00	7	-10	-13	-12	-20	-12	- 7	- 7	- 2	- 8	7	- 8	.3
MARMARTH	MAX	47	58	51	34		36	22	24	45	30	21	12	10	25	31			25	15	10	25	20	21	25	14	24	32	27	35	38	30	28.1
	MIN	23	25	24	8	8	13	1	3	24	21	- 5	-10	-16	-11	5			00	- 8	-16	- 5	-10	- 8	- 3	-11	-10	10	00	00	20	5	2.7
MAX	MAX	36	36	35	37	36	31	23	4	14	28	28	1	- 2	- 3	3	19	13	10	15	15	5	17	- 1	00	8	8	21	9	14	12	29	18.1
	MIN	22	21	27	19	11	11	- 9	-16	-14	8	- 1	-14	-16	-23	-24	- 6	- 1	- 1	7	-16	-18	-15	-16	-17	-10	- 8	- 4	- 9	- 9	- 6	-13	4.5
MAYVILLE	MAX	30	36	41	36	32	23	20	15	22	31	30	6	- 3	2	19	26	25	17	26	27	9	9	- 7	15	12	12	11	10	14	35	29	19.7
	MIN	19	23	30	23	14	17	2	- 8	6	5	6	- 8	-14	-18	- 9	7	14	5	7	- 9	-17	-15	-18	-24	-15	-12	- 9	-12	-16	10	- 9	.8
MC CLUSKY	MAX	37	40	54	37		36	25	7	20	31	28	2	- 2	- 3	7	17	12	17	18	17	14	15	- 5	00	7	11	21	14	4	25	25	17.7
	MIN	26	26	26	16		7	- 1	-14	- 3	18	00	-14	-17	-23	- 9	4	2	2	4	-14	-14	-13	-15	-20	- 2	- 1	- 4	- 7	- 7	4	-11	1.8
MC HENRY 5 N	MAX	29	38	43	32	29	22	13	11	22	29	28	00	- 8	- 5	12	16	16	13	22	21	9	9	- 8	5	8	10	8	8	- 1	5	30	12	15.2
	MIN	19	20	25	20	11	12	- 4	-16	5	21	00	-12	-20	-23	-13	5	- 1	- 3	9	-16	-22	-19	-18	-24	-11	-14	-11	-15	-15	5	-13	3.8
MC LEOD 3 E	MAX	47	44	45	44	41	40	35	20	24	25	15	22	10	8	23	32	26	15	18	21	20	17	10	17	20	15	18	8	15	38	35	24.8
	MIN	20	24	30	23	12	17	- 3	-15	- 1	8	4	- 8	-12	-18	-10	5	3	- 2	- 6	- 4	- 8	- 8	-14	-24	- 2	-10	-15	-14	-18	13	-10	- 1.3
MEDORA STATE PARK	MAX	48	47	42	37	32	32	16	27	47	32	24	2	10	18	30	26	18	16	13	6	28	12	- 2			28	21	10		40	28	24.8
	MIN	24	22	22	20	7	12	00	00	10	24	- 7	- 7	-23	-13	00	7	4	6	- 2	-20	- 3	-14	-14					- 2	- 4		-10	1.5
MEDORA T RNM P	MAX	47	58	46	38	35	34	19	29	44	35	22	6	12	20	30	26	27	20	13	8	26	22	13	9	12	28	16	14	29	39	31	8.1
	MIN	21	25	28	23	7	14	- 2	00	6	20	- 4	-14	-26	-19	- 5	- 8	- 4	- 4	00	-21	- 9	-13	-15	-12	-13	- 3	- 5	00	- 8	1	-13	- 1.5
MINOT CAA	MAX	39	56	40	35	30	22	1	15	26	27	21	- 3	- 4	5	16	10	9	14	15	- 4	18	- 4	00	2	3	17	8	00	12	33	11	15.2
	MIN	18	34	28	20	11	00	-15	-17	12	16	- 8	-13	-19	-23	- 1	3	00	7	- 6	-17	- 5	-15	-18	-15	-10	2	-12	- 8	-13	- 4	-16	- 2.7
MINOT EXP FARM	MAX	38	56	47	35	31	26	12	13	27	29	27	- 4	- 5	3	17	12	7	14	15	7	17	5	- 3	3	00	18	8	1	8	33	8	16.3
	MIN	17	28	26	16	11	10	-10	-19	9	15	- 6	-15	-18	-23	- 3	3	- 2	7	6	-20	-12	-20	-21	-19	-13	- 4	-12	- 8	-13	2	-18	3.4
MOHALL	MAX	35	56	48	36	32	22	7	10	25	24	24	8	1	3	20	15	10	12	13	6	18	17	1	1	1	16	14	3	1	29	2	18.5
	MIN	12	25	25	20	8	7	-13	-18	2	18	- 5	-13	-17	-26	- 2	4	1	8	6	-19	-17	-17	-24	-29	- 7	- 3	- 5	-12	-13	-12	-21	4.4
MONTPELIER	MAX	43	39	47	40	37	33	27	8	17	27	31	11	00	- 5	3	15	24	15	22	26	- 2	00	- 3	- 2	12	5	20	6	7	22	37	18.1
	MIN	22	23	28	22	11	12	- 4	-15	-12	17	9	- 9	-15	-19	-22	- 5	9	2	9	- 3	-19	-14	-15	-25	- 3	-12	- 7	-14	-11	-10	- 7	2.5
MOTT	MAX	48	61	47	38	34	35	20	22	45	36	30	6	7	18	31	22	21	15	16	8	25	18	7	13	12	27	20	18	24	38	31	25.8
	MIN	29	27	24	17	5	12	- 2	- 7	9	12	- 2	-12	-18	-12	- 1	3	- 3	- 4	4	-11	-11	-12	-12	-18	-11	5	- 3	2	- 5	4	- 7	.1
MUNICH 4 SW	MAX	27	35	23	30	25	18	12	9	20	24	24	- 1	- 7	- 6	13	12	12	12	14	14	10	8	- 7	- 3	- 2	6	5	- 5	- 3	22	12	11.4
	MIN	16	23	25	16	8	11	- 5	-12	3	20	- 1	-14	-19	-23	-12	2	4	- 1	9	-14	-10	-15	-22	-23	-12	-14	-15	-18	-18	- 3	-19	4.3
NAPOLEON 1 SE	MAX	38	53	46	36	33	35	15	16	31	32	30	- 2	- 4	4	15	18	15	14	21	16	17	13	- 1	15	15	21	16	17	13	34	21	20.7
	MIN	26	26	29	21	8	13	- 5	-12	7	18	- 2	-12	-18	-27	- 9	5	- 3	- 3	4	-14	-17	-14	-16	-25	- 8	- 9	- 8	- 9	-10	10	-10	- 2.1
NEW ENGLAND	MAX	50	62	55	38	34	38	21	23	51	45	32	5	8	22	23	31	24	20	22	14	25	26	18	12	17	29	23	28	28	41	37	29.1
	MIN	23	27	20	17	8	9	2	4	9	20	- 6	-10	-18	-13	5	3	2	00	3	-15	- 5	-10	13	- 4	-13	- 5	1	00	6	6	3	2.8
NEW SALEM 1 S	MAX	48	57	47	40	32	32	15	22	23	34	31	5	00	8	22	12	13	19	18	15	22	20	5	8	6	24	15	10	22	41	15	21.9
	MIN	24	31	23	19	15	12	- 2	-10	- 1	20	- 5	-13	-19	-17	-10	2	3	00	00	-14	- 8	-13	-20	-21	-10	- 4	- 7	-12	-10	8	5	1.1
OAKES	MAX	44	43	43	43	39	34	32	14	20	27	32	13	6	1	9	23	27	16	20	29	3	15	00	2	21	12	18	11	16	29	38	21.9
	MIN	22	24	28	23	14	13	1	- 9	- 9	15	12	- 6	-10	-18	-19	1	12	12	13	1	-16	-12	-12	-22	- 1	-11	- 1	- 9	- 8	- 8	- 2	.8
PARK RIVER	MAX	26	35	44	35	27	22	15	16	23	29	29	4	- 3	00	15	18	18	17	20	18	8	11	- 6	2	6	8	3	- 2	- 3	30	23	15.7
	MIN	15	24	28	22	12	15	3	- 2	7	21	3	- 6	-12	-16	- 9	5	12	6	15	-10	-20	-12	-22	-25	-12	-20	- 9	-16	-16	- 8	-14	1.3
PARSHALL	MAX	37	56	47	36	30	26	10	12	30	29	25	- 1	00	8	17	12	10	15	15	5	19	20	00	4	4	21	7	8	15	30	10	18.0
	MIN	22	26	28	15	17	8	- 5	-17	8	20	- 3	-15	-18	-33	-21	5	- 2	8	5	-18	-10	-16	-22	-12	-14	-10	-12	- 9	- 9	00	-18	3.3
PEMBINA CAA	MAX	22	36	37	30	20	18	9	19	24	28	26	00	00	- 2	14	20	18	15	23	7	4	4	- 8	6	7	10	1	- 4	13	27	1	13.7
	MIN	11	20	27	18	10	8	- 2	- 7	5	24	- 1	- 8	-13	-21	- 5	5	11	10	7	-18	-21	-21	-28	-30	-21	-19	-23	-22	-18	1	-17	4.5
PETERSBURG	MAX	35	37	37	33	27	19	9	11	24	27	27	00	- 4	- 4	10	15	15	14	23	22	10	7			2	10	- 9	- 6	4	27	15	15.1
	MIN	18	22	25	20	10	9	2	-10	- 7	20	00	- 9	-17	-22	-10	7	2	00	5	-18	-20	-20	-23	-22	-14	-15	-16	-16	-18	4	- 7	3.9
PETTIBONE	MAX	36	51	46	36	34	24	17	15	26	31	29	1	- 5	- 5	17	14	13	16	21	15	14	8	- 4	9	9	20	17	10	13	34		18.7
	MIN	27	28	25	20	11	17	- 5	-13	5	19	- 2	-11	-17	-25	-11	4	5	- 1	5	-12	-17	-18	-13	-25	- 7	- 9	- 5	- 9	- 9	7		1.2
PORTAL	MAX	33	37	53	36	35	29	14	3	16	30	23	4	- 8	- 9	10	19	8	11	14	6	10	17	- 7	- 4	- 1	5	14	- 2	- 1	26	26	14.4
	MIN	13	15	23	15	11	11	-15	-15	- 7	11	- 6	-16	-25	-24	-15	00	00	3	4	-22	-21	-21	-21	-20	-21	-13	-18	-17	-11	-11	-22	- 7.8
RICHARDTON ABBEY	MAX	46	57	51	38	31	33	17	21	44	36	26	4	5	13	27	20	17	15	14	6	21	19	00	8	8	25	23	23	20	39	28	23.8
	MIN	28	29	27	18	13	14	3	- 4	9	20	- 4	- 9	-15	- 9	7	5	1	1	4	-14	- 6	-11	-16	-15	-12	1	2	00	- 3	8	- 3	2.2
RIVERDALE	MAX	38	37	52	38	34	31	28	8	17	31	28	8	- 3	- 4	2	16	11	16	15	15	12	17	- 2	- 1	6	9	14	4	4	14	33	17.0
	MIN	21	21	29	21	12	11	- 2	-10	-11	12	8	- 8	-14	-20	-15	- 3	00	00	4	-12	-12	-11	-12	-17	- 7	- 9	- 4	- 5	- 7	- 4	-10	- 1.7
ROLLA	MAX	30	44	43	34	27	17	5	7	23	25	24	- 3	00	- 1	17	10	12	12	13	6	15	11	- 2	- 2	3	13	10	- 1	2	00	8	13.0
	MIN	15	25	28	17	11	5	- 6	- 9	4	16	- 5	-10	-14	-20	- 9	2	2	4	5	-15	-16	-13	-15	-18	-10	-10	-13	-17	-12	-12	-18	3.4
RUGBY	MAX	32	49	45	35	32	25	14	10	27	27	27	4	- 3	- 6	12	12	12	18	17	15	14	11	- 2	00	2	19	14	4	5	28	7	16.3
	MIN	18	25	26	17	10	12	- 8	-18	6	18	- 4	-14	-20	-28	-21	2	3	2	11	-16	-17	-15	-21	-20	-10	- 9	-15	-12	-10	5	-18	3.5
SANISH	MAX	37	57	46	37	36	31	29	13	17	29	26	00	- 1	- 2	- 2	17	13	13	16	13	5	21	00	- 3	7	9	21	10	18	29	18	18.0
	MIN	17	22	20	18	9	9	- 7	-17	-17	6	- 6	-12	-16	-30	-29	- 9	2	- 5	7	-17	-17	-13	-16	-21	-12	-13	- 5	- 8	- 5	-18	- 6	- 6.1
SHARON	MAX	27	36	41	35	27	22	13	12	20	30	28	5	- 4	12	14	20	20	16	24	24	7	10	- 5	7	10	10	8	00	7	31	15	16.8
	MIN	18	23	25	21	12	13	- 8	-12	7	19	2	-10	-17	-20	-13	5	4	00	8	-18	-18	-16	-18	-20	-10	-13	-14	-16	-15	7	-11	- 2.7
STANLEY	MAX	34	53	36	33	28	22	9	14	27	26	14	- 6	- 4	9	21	10	11	13	10	- 3	18	- 3	- 4	1	2	20	5	00	11	31	12	14.5
	MIN	11	23	19	13	5	- 3	-16	-21	3	9	-13	-20	-24	-28	- 8	- 2	- 6	2	-16	-23	-15	-23	-24	-21	-20	- 2	-20	-16	-16	-17	-25	- 9.5
STEELE	MAX	35	55	45	37	35	32	16	16	32	31	29	- 1	- 4	- 1	15	16	12	20	16	12	12	12	- 6	10	12	20	9	15	15	35	21	19.5
	MIN	25	26	25	15	5	12	- 6	-16	5	13	- 3	-14	-20	-27	-11	00	2	2	- 2	-15	-12	-15	-17	-22	-22	-13	-10	-10	-10	7	-11	- 3.8
TOWNER	MAX	35	52	47	32	38	32	4	7	28	27	23	- 2	- 2	- 1	22	14	12	17	14	- 6	17	9	- 7	2	3	18	00	- 5	5	3	5	14.3
	MIN	14	26	18	17	27	-11	-15	-21	6	14	-10	-10	-23	-31	-10	- 2	- 1	- 2	-15	-20	4	-15	-24	-20	-15	-17	-15	-18	-11	-15	-14	- 8.7
UNDERWOOD 12 W	MAX	35	53	50	37	34	30	22	18	30	20	10	5	3	4	18	12	13	18	15	14	18	14	3	9	7	25	9	7	17	35	15	19.4
	MIN	15	27	30	20	9	10	- 3	-15	12	- 1	-10	-11	-10	-30	-11	4	- 3	7	- 2	-12	-17	- 9	-17	-22	- 7	- 3	- 9	- 2	- 9	00	-15	- 2.7
UPHAM WILDLIFE REFUGE	MAX	35	52	44	36	31	26	11	8	26	26	27	- 1	- 3	00	15	13	14	17	17	10	16	17	10	00	2	19	13	4	8	27	4	16.8
	MIN	14	26	29	19	7	11	-15	-23	6	17	- 2	-13	-19	-31	- 8	6	- 4	3	10	-19	-19	-17	-22	-21	-11	-11	-15	-13	-12	00	-21	4.8
VALLEY CITY	MAX	34	40	45	43	37	26	21	13	25	31	31	5	5	- 2	15	30		18	26	25	16							4	13	35	35	23.8
	MIN	29	24	28	26	17	18	2	- 9	4	20	4	- 9	-12	-17	- 7	4	12	9	11	- 6	-17	9	-15	-22	- 2			- 4	-10	9	- 5	3.1
VAN HOOK	MAX	35	58	46	31	27	12	18	30	28	23	00	1	3	18	13	13	16	15	5	20	19	2	7	5	21	17	9	17	30	12	18.8
	MIN	20	28	28	17	8	6	- 8	-17	8	20	- 5	-14	-19	-29	-10	8	- 3	9	5	-19	-12	-15	-20	-19	-13	00	-10	- 5	- 9	00	-17	2.9

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
VELVA	MAX	38	57	48	36	33	26	10	16	31	28	28	- 3	- 2	6	16	14	10	15	17	9	18	18	00	5	4	19	15	4	13	34	10	18.5
	MIN	18	31	28	20	12	10	-12	-24	11	15	- 3	-12	-18	-23	- 6	5	3	8	8	-15	-15	-14	-19	-20	- 8	- 4	- 9	- 8	-12	5	-19	- 2.2
WAHPETON STATE SCHOOL	MAX	32	38	40	39	33	32	26	13	22	32	34	10	2	6	26	33	32	20	30	32	11	9	1	15	30	28	19	12	20	38	35	24.1
	MIN	19	26	33	23	16	22	00	-11	4	20	9	- 3	- 9	-10	- 3	14	18	16	18	- 2	-10	- 5	-10	-16	- 1	- 4	00	- 5	- 8	17	- 1	5.1
WASHBURN	MAX	36	56	49	38	33	30	14	17	33	30	30	2	00	7	17	13	12	15	19	10	20	18	00	10	8	26	10	17	13	38	13	20.4
	MIN	22	30	30	21	14	11	- 4	- 9	13	19	- 1	-10	-15	-25	- 5	6	00	5	5	-13	- 9	-12	-15	-15	- 7	00	- 3	- 2	- 4	9	-10	.8
WATFORD CITY	MAX	44	57	47	36	26	34	25	24		33	21	1	2	15	22	20	15	18	14	10	21	- 1	00	10	9	23	11	12	23	34	28	21.1
	MIN	19	31	25	19	10	11	- 4	-12		20	- 6	-12	-18	-19	- 2	8	- 1	11	00	-18	- 7	-14	-21	-13	-15	2	- 8	- 2	- 7	00	-12	1.1
WESTHOPE	MAX	32	50	40	36	29	22	5	7	24	27	23	- 2	- 4	- 2	16	17	15	13	17	3	3	4	4	2	2	18	5	5	3	23	00	14.1
	MIN	13	26	26	18	9	1	-14	-19	5	18	- 7	-14	-22	-30	- 9	9	2	7	1	-23	-19	-17	-23	-18	-14	- 5	-18	-12	-11	- 4	-21	- 5.3
WILLISTON WB CITY	MAX	39	54	38	35	32	34	12	22	32	27	5	- 1	00	12	22	19	13	16	12	3	23	00	- 2	7	11	20	10	10	22	30	25	18.8
	MIN	20	32	24	17	11	4	-11	-13	14	5	- 9	-11	-15	-17	00	8	2	12	-10	-15	- 5	-12	-18	- 5	-14	- 2	-10	- 4	- 4	- 5	-17	- 1.8
WILLOW CITY	MAX	28	52	43	35	30	21	8	10	27	28	28	- 2	- 4	- 4	14	13	12	18	18	8	18	14	- 1	- 4	00	18	10	4	5	23	- 1	14.9
	MIN	19	25	27	20	7	4	-10	-22	2	12	- 3	-13	-18	-29	- 7	5	4	5	7	-18	-22	-17	-21	-22	-11	-11	-16	-18	-13	- 3	-21	5.0
WILTON RR STATION	MAX	38	34	54	36	34	31	28	10	18	29		28	- 1	- 4	3	14	12	12	18	18	00	16	2	00	8	00	21	17	10	15	37	17.7
	MIN	25	24	26	19	14	10	- 4	-13	-13	10		-13	-17	-22	-22	- 3	1	1	1	-11	-17	-13	-15	-21	- 9	-10	- 1	- 9	- 9	- 7	-11	- 3.6
WISHEK	MAX	42	39	52		40	32	37	12	19	30		32	9	-10	13	19	20	16	18	24	3	7	13	8	18	10	28	18	15	26	37	21.5
	MIN	23	28	12		7	8	- 4	-18	-13	17		-10	-17	-32	-29	5	8	- 1	5	- 6	-20	-12	-14	-28	- 4	- 9	- 6	- 7	- 7	- 8	- 7	- 4.7

DELAYED DATA

JUNE 1949																														
BALDHILL DAM	MAX	84	77	77			86	68	71	70	84			94	71	80	65	74	69		71	77	85	90	86	90		85	79	87	94		79.8
	MIN	56	49	47			42	33	51	56	58			57	41	40	47	50	36		49	43	56	50	48	56		47	44	63	63		49.3
BISMARCK WB AIRPORT	MAX	71	78	66	75	88	72	73	77	85	91	95	74	69	77	73	77	62	66	81	80	86	88	82	86	80	86	80	90	99	84		79.7
	MIN	54	49	48	42	49	48	43	54	62	56	62	50	43	46	45	52	45	39	54	55	48	57	54	52	57	48	52	42	65	53		50.8
HETTINGER	MAX	73	73	64	78	88	89	74	82	89	95	98	83	76	79	83	84	77	63	89	81	90	92	77	80	81	90	76	92	98	90		82.8
	MIN	50	44	48	36	39	44		46	50	51	52	57	35	39	45	49	46	36	48	49	42	53	50	48	52	48	51	49	38	45		46.2
JULY 1949																																
DUNSEITH ST SANITARIUM	MAX																93	82	69	74	70	68	64	70	82	86	82	87	85	69	78	84	
	MIN																69	63	53	42	48	50	48	40	64	70	48	53	51	46	46	59	
AUGUST 1949																																
FORT YATES	MAX	82	80	88	96	90	100	105	100	87	90	95	95	92	95	87	85				84	90	96	103	91	93	81	92	82	81	76	70	89.5
	MIN	47	50	52	61	60	59	72	68	55	47	63	65	66	59	58	60	59															
GRAFTON STATE SCHOOL	MAX	75	76	82	86	87	94	100	102	92	89	92	91	92	84	68	82	86	88	79	81	85	90	88	88	92	85	77	78	76	70	65	84.5
	MIN	53	52	49	59	57	57	63	68	63	50	56	60	67	65	61	58	57	57	56	54	52	57	58	64	50	59	54	40	48	41	40	55.6
SEPTEMBER 1949																																
BALDHILL DAM	MAX	63	83	88			80	66	76	81			82	46	53	64	85			82	62	68	70	71			90	68	56	64	74		71.5
	MIN	33	40	55			36	35	37	40			41	34	23	31	42			41	40	29	37	24			35	34	17	29	40		35.1
BISMARCK WB AIRPORT	MAX	85	84	76	72	60	62	73	78	77	81	62	47	54	67	75	92	73	58	71	68	73	70	80	83	88	68	80	67	76	76		71.9
	MIN	37	44	55	50	43	45	42	43	47	58	47	37	32	26	34	48	46	39	35	43	32	41	33	46	44	42	34	24	33	44		40.8
GRENORA	MAX	87	85	78	79	80	77	79	79	85	84	83	70	77	70	74	74	67	64	72	73	77	72	83	79	72	72	62	71	73	78		75.9
	MIN	39	53	43	45	48	42	45	45	46	47	39	34	20	25	32	65	64	30	36	35	33	36	42	40	42	38	35	38	37	42		40.5
MADDOCK AGR SCHOOL	MAX	84	82	79	73	65	70	74	80	81	86	77	49	51	62	73	81	72	65	65	66	67	67	78	88	85	70	57	65	78	74		72.1
	MIN	39	44	51	43	41	43	41	36	39	51	49	40	36	25	33	43	46	42	41	41	37	33	32	42	48	40	35	22	30	38		39.4
MC LEOD 3 E	MAX	85	90	85	80	80	74	82	83	80	80	74	70	68	71	78	82	77	87	71	70	70	67	72	88	87	82	78	70	75	80		77.9
	MIN	35	37	57	54	38	38	41	39	53	58	57	38	38	29	32	47	48	40	42	55	54	40	28	43	55	50	38	26	38	38		42.9
OCTOBER 1949																																
MADDOCK AGR SCHOOL	MAX	69	69	62	71	86	79	53	51	56	51	53	61	56	60	72	63	52	45	34	31	30	45	40	35	39	49	56	63	55	33	58	54.1
	MIN	50	45	40	30	47	47	29	38	23	43	32	33	34	30	40	38	33	34	30	25	25	23	29	20	23	19	34	32	32	19	19	32.1
STANLEY	MAX	69	62	60	70	77	76	45	68	53	58	52	57	62	61	73	50	48	33	31	28	32	42	36	41	36	55	60	64	47	33	63	53.0
	MIN	42	35	30	29	44	29	23	28	23	33	24	28	25	21	34	30	28	25	20	15	16	21	22	17	17	31	27	30	22	15	25	23.1
NOVEMBER 1949																																
BALDHILL DAM	MAX	54	52	38	65			68	60	50	62				55	40	45	38	32			54	44	36		37			46	50	47		
	MIN	25	19	19	26			25	20	23	25				26	12	21	19	21			2	4	8		9			17	24	20		
HANKINSON RR STATION	MAX	55	55	40	66	40	62	67	63	52	59	57	50	49	40	39	45	40	34	50	48	32	30	40	23	34	42	42	53	55	49		47.0
	MIN	21	24	23	29	23	27	35	29	27	28	28	40	33	32	26	26	24	26	26	28	15	14	13	14	12	11	22	25	31	29		24.7
STANLEY	MAX	53	50	65	61	63	68	57	42	55	57	56	54	45	42	48	52	35	53	50	34	40	33	40	36	48	45	62	47	42	37		49.0
	MIN	25	22	32	23	30	28	28	18	25	25	21	22	25	21	17	21	11	22	28	11	0	18	14	10	12	23	25	26	25	18		20.9
TURTLE LAKE	MAX			66	52	66	67				56	50	52	49	57	42	33	56	52	36	36	48	41	40	42							
	MIN			29	27	28	33				29	30	28	27	23	19	31	14	23	30	18	9	27	15	12	20							
WISHEK	MAX	64	50	42	65	40	66	67	61	48	64	66	42	53	45	40	48	42	32	58		49	32	49	40	43	49		59	52	48		50.5
	MIN	34	19	21	25	26	32	34	20	24	21	33	21	25	29	19	22	18	17	17		2	12	8	13	13	20		22	14	5		20.2

SNOWFALL AND SNOW ON GROUND

Table 7

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALMONT 7 SW	SNOWFALL	0.6					-				-	-							-	-				0.6	-	0.2						
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMENIA	SNOWFALL						1.0					6.0										T				0.5	1.5		T			
	SN ON GND						1	1	1	1	1	7	7	7	7	6	6	6	6	6	6	6	6	6	7	8	8	8	8	8	5	5
ASHLEY	SNOWFALL										-	-										-		T	T	T	T				
	SN ON GND										2	4	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
BEACH	SNOWFALL	1.0		T			T				T	1.5								0.2		0.2	0.2	0.2	T		0.2	0.5			
	SN ON GND			T			T	T			T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
BISMARCK WB AIRPORT	SNOWFALL	0.5					T	T			T	3.5	0.4		T		T	T	0.1	0.1		T	0.8	0.1	1.5	T	0.5	T	T			
	SN ON GND										T	3	4	4	4	4	3	3	3	3	3	3	4	4	5	5	5	5	5	5	4	4
CARSON 2 SW	SNOWFALL						T	T			T	5.7						T	T	T		T		1.5	0.7	T		0.5				
	SN ON GND										-	6	6	6	6	6	6	6	6	6	6	6	6	7	8	8	8	9	9	9	9	9
CENTER	SNOWFALL	0.1					0.2					3.0											T		T							
	SN ON GND	T					T	T	T	T	T	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
CROSBY	SNOWFALL					T	1.0	2.0				3.5					T	T	T	T	1.0		T	T		1.0			4.0			
	SN ON GND					T	1	2	2	2	2	5	4	4	4	4	4	4	4	4	5	5	4	5	4	5	5	5	9	8	8	8
DEVILS LAKE WB CITY	SNOWFALL	T	T				1.4	T	T	T	0.1	9.0	T	T	T		T	T	T	1.1	T	T		T	4.9	0.1	0.4	T	3.1	T	T	T
	SN ON GND	T	T	T	T	T	1	1	1	1	1	9	10	10	9	9	9	9	9	10	10	10	9	9	14	13	14	13	15	15	13	13
DICKINSON CAA	SNOWFALL						T	T	T		0.1	0.9					T		T	0.3		T	0.1	T	0.2	T	T	0.4	T			
	SN ON GND	T					T	T	T	T		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
DUNN CENTER	SNOWFALL	T						T				3.0						T	T	T	T	T		T	T			T	T			
	SN ON GND	T						T				3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
EDGELEY EXP FARM	SNOWFALL						-				-	-								T				0.1	-	-					
	SN ON GND						1	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	
ELLENDALE	SNOWFALL	T					T	T		T	T	2.5	0.6					T		T	0.5			T	1.0	T	T	T				
	SN ON GND	T					T	T	T	T	T	2	3	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	4	4	4
FARGO W8 AIRPORT	SNOWFALL	T					1.8	T		T	T	5.7	0.1				T	T	T	0.3	0.2	T	T	T	0.7	1.6	0.4	T	T			
	SN ON GND	T	T	T	T	T	2	2	2	2	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	8	6	6	5	5
FESSENDEN	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SN ON GND						4	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
FORMAN	SNOWFALL	T					0.5				T	-							T	T	0.7		T	0.3	T	T	T	0.8				
	SN ON GND						T	T	T	T	T	1	1	1	1	1	1	T	T	T	1	1	1	1	1	1	1	1	1	1	1	T	T
GRAFTON STATE SCHOOL	SNOWFALL							T				5.5	-					T	T	1.5	T		T		5.0	2.0		2.0				
	SN ON GND							T	T	T	T	5	5	4	4	3	-	4	4	5	4	4	4	4	9	10	10	10	11	10	10	9
GRAND FORKS CAA	SNOWFALL	T					T	T		T	0.6	4.5	0.3					T		0.6	T		0.1		2.5	0.8	0.1	T	2.6			
	SN ON GND							T	T		T	4	5	5	4	4	4	4	3	3	4	4	4	4	5	7	7	7	10	10	10	10
JAMESTOWN AP	SNOWFALL	T					0.3	T	T	T	1.2	12.2	0.1				T	0.1	T	0.7	0.5	0.1	0.2	0.2	3.4	2.1	0.2	T	T			
	SN ON GND						T	T	T	T	T	12	13	13	11	9	8	8	8	9	10	10	10	10	12	15	15	14	14	13	10	10
LANGDON EXP FARM	SNOWFALL							0.1				6.0	0.5					-	-	1.6					1.0		0.4		1.3			
	SN ON GND							T				-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	10	-
LINTON	SNOWFALL					T	T				-	-	-											-				-			
	SN ON GND					T	T					4	4	4	4	4	4	-	-	-	-	-	-	-	4	-	-	5	5	5	5	5
LISBON	SNOWFALL							-				-	-											-	-	-						
	SN ON GND							-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	5	7	8	-	-	-	-	-	-
MARMARTH	SNOWFALL	T		0.5	T		T					7.9								3.0		T	6.0	0.5	0.5						
	SN ON GND	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAYVILLE	SNOWFALL						0.8	T		T	T	4.0	0.4					T		0.3						0.4						T
	SN ON GND						1	1	1	1	1	5	5	5	5	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3
MC CLUSKY	SNOWFALL						-				-	-	-						0.2					0.2	-	-			-			
	SN ON GND							T	T	T	T	-	2						T					T	-	-	-	-	3	-	-	-
MC HENRY 5 N	SNOWFALL						1.0				1.0	4.0	T				0.2			1.5					1.0	0.5	1.0		1.0			
	SN ON GND						1	1	1	1	2	6	6	6	6	6	6	6	6	8	8	8	8	8	8	9	10	10	11	11	11	11
MEDORA TRNMP	SNOWFALL		T				T			T	T	T	1.1						1.0	0.8			0.6			T	0.7	0.7				
	SN ON GND						T						1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	2
MINOT CAA	SNOWFALL						1.8				0.6	4.3	0.2		T		0.2	T	0.1	2.3		T	T		0.5	0.1	0.4	1.4	2.4			
	SN ON GND						2	2	2	1	2	7	6	6	5	4	4	4	4	6	6	6	6	5	5	5	5	5	9	9	6	6
MOHALL	SNOWFALL						2.0					1.0								0.1	0.2					0.3				4.0		
	SN ON GND						2	2				3							3	3					4				8			
MOTT	SNOWFALL											2.5								0.5			T	0.5			1.0	1.0				
	SN ON GND											2	-	-	-	-	-	-	-	T	T	T	T	1	1	1	2	3	3	3	2	2
NAPOLEON 1 SE	SNOWFALL	0.2					0.2				T	6.0	1.0					T					0.2	0.2	T	1.5	T		0.1			
	SN ON GND											6	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	7	7
PARSHALL	SNOWFALL						1.0				T	2.5					T		-	0.5		-	T		-			1.0			
	SN ON GND						1	1	1	1	1	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
PEMBINA CAA	SNOWFALL	T				T	T	T		T	0.2	3.0	0.2	T			T	T	T	1.8	0.1	T	T		0.8	0.4	T	T	1.1	T		
	SN ON GND	T	T	T	T	T	T	T	T	T	T	3	3	3	3	3	3	3	3	5	5	5	5	5	6	6	6	6	7	7	7	7
PETERSBURG	SNOWFALL				T		0.5				T	4.5	0.3							1.8					4.0	0.6			4.2			
	SN ON GND						T	T			T	4	4	4	4	4	4	4	4	6	6	6	6	6	10	11	11	11	15	15		
PETTIBONE	SNOWFALL							T				3.8	4.2							-				-	2.0							
	SN ON GND							T	T	T	T	4	4	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	
PORTAL	SNOWFALL					2.5	0.5					1.0								1.0	T				1.0	2.0			2.0			
	SN ON GND					3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	7	7	7	9	9	9	9
RICHARDTON ABBEY	SNOWFALL	0.5					T	T				3.0				T	T			0.3		T	T	0.5	0.5		T	0.1	T			
	SN ON GND	T					T	T	T	T		3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3
ROLLA	SNOWFALL						0.5					3.5					T	0.5		0.5	0.1		T		0.5	0.2			1.0			
	SN ON GND	T	T	T	T	T	T	T	T	T	T	4	4	4	4	4	4	4	4	5	5	5	5	5	6	6	6	6	7	7	7	7
RUGBY	SNOWFALL						0.8					5.0							T	1.0					2.0			3.0				
	SN ON GND						1	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHARON	SNOWFALL						1.5				*	4.5								0.5					0.5	2.5			1.5			
	SN ON GND	T	T	T	T	T	1	1	1	1	2	6	6	6	6	6	6	6	6	7	7	7	7	7	7	10	10	10	11	11	11	11
STANLEY	SNOWFALL						2.0					2.0							-	2.0					2.0				3.0			
	SN ON GND						-	-	-	-	1	3	3	3	3	3	3	3	3	5	5	5	5	5	7	8	6	6	8	8	8	8
STEELE	SNOWFALL	T					0.5	T			T	6.0	T					T			T			0.3	0.3							
	SN ON GND	T					T	T	T	T	T	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8
UPHAM WILDLIFE REFUGE	SNOWFALL						1.5				T	2.0					0.3		0.2	3.0					3.0			2.0				
	SN ON GND						2	2	1	1	1	3	3	3	3	3	3	3	4	5	5	5	5	5	8	8	8	8	10	10	10	10
VELVA	SNOWFALL						1.5				0.1	3.5					T		0.5	0.3				T	1.0	0.3	T		3.0			
	SN ON GND						2	2	2	1	1	4	4	4	4	4	4	4	5	5	5	5	5	5	6	7	7	7	10	10	9	9
WAHPETON STATE SCHOOL	SNOWFALL						0.5	0.5		T		0.5	0.5					T	T	0.5				0.5								
	SN ON GND						T	1	1	T		T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WATFORD CITY	SNOWFALL										1.0	2.0								1.0		0.4		0.8	1.0				1.0			
	SN ON GND										1	3	-	-	-	-	-	-	-	2	2	2	2	3	4	4	4	4	5	5	5	-
WILLISTON WB CITY	SNOWFALL		T			T	0.5	0.2			2.2	0.9			T	T	T	T	T	0.2		T	0.4	T	0.9	T	T	0.9	0.1		T	
	SN ON GND					T	T	1	1	1	3	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	5	5	4	3

See reference notes following Station Index

STATION INDEX

NORTH DAKOTA

DECEMBER 1949

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 08			7A	MYRA J 9OTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALMONT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	9DGAR RAWSLAND	2 3 5 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	R A BURY	3
AMENIA	0196	CASS	11	47 00	97 13	960	SS	SS	VIRGIL L GEBEKE	2 3 5 7
AMIOON	0209	SLOPE	1	46 30	103 19	2910	5P	5P	TOFIELD ZUNDEL	2 3 4 5
ANVILLA STATE PANK	0369	GRAND FORKS	10	47 58	97 30	960	6P	6P	ALBERT TBOREN	2 3 5
ASHLEY	0382	MC INTOSB	8	46 02	99 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 7
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOENSDN	2 3 5
BALFOUN	0492	MC HENRY	12	47 57	100 32	1615		MID	RAYMOND E MELLER	5 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F BODGIN	2 3 4 5 7
BELCOUNT INDIAN RES	0826	MDLETTH	9	48 50	99 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	6	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1600	6P	6P	ROBERT J KNICK	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1870	10A	10A	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1650	MIO	MIO	U S WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	CLOSED
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 5 5
BOWMAN COURT BOOSM	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	D B BOOK	2 3 4 5
BREIEM	1052	MORTON	1	46 24	100 57	1720		MID	FRANK E POTTER	5 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1585	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEIM2	2 3 5 7
COLGATE	1686	STEELE	10	47 14	97 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1768	GRIGGS	11	47 26	98 07	1428	5P	5P	R J LOCENER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 15	98 34	1523		6P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICSOLS	2 3 5 7
DAWSON	2018	KIDDER	8	46 52	99 45	1730		MIO	LDUIS J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MIO	MID	U S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2163	STARK	4	46 48	102 48	2587	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY WOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMMARS	2 3 5 7
DUNSMITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	M D STATE BOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5 7
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE OAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	H W CASE	2 3 5
ELLENDALE	2605	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GRESS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 3 5
ESMOND	2767	BENSON	11	48 02	99 46	1650		MIO	CLARENCE L JENSEN	3 4
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOEN V ZUBER	2 5 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1930		8A	GEORGE M SINCLAIR	3
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	8P	ART WATERMAN	2 5 5 7
FORT YATES	3207	SIOUX	8	46 06	100 38	1640	SS	SS	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	U S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P	DAVID R HAMM	2 3 5
GARRISON	5376	MC LEAN	8	47 38	101 25	1911	7A	7A	GEORGE J MAHOWALD	2 3 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MIO	LOUIS M GAUER	5 4
GOLVA 1 SE	3556	GOLDEN VALLEY	7	46 44	103 57	2780		MIO	ISADORE MAROOLIES	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRAND	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINEE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	SP	5P	L O MIBLSON	2 3 5
HALLOAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN EISSE	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANKAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	BOWER A BENSON	3 4
HARVAN	3936	CAVALIER	9	48 59	98 41	1570	8P	6P	U S CUSTOMS OFFICE	2 3 5
HANSBORD	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W S DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	B J REYNOLDS	3
HAYNES 6 NE	4073	ADAMS	1	46 01	102 24	2640		MID	BYRON B BOBB	3 4
HAZELTON WM STATION	4083	EMMONS	8	46 29	100 17	1978		MID	EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAMS	3	46 00	102 38	2675	6P	6P	EDWARD B BJORUM	2 3 4 5 7
HILLSBORO	4203	TRAILL	10	47 24	97 04	901	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS H RUTH BUCHWITZ	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N O STATE BOSPITAL	2 5 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MIO	MID	THEO 8 SCEBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAU	12	48 39	100 57			MID	PAUL A KRETSCHMAR	5 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 5 5 7
LARIMORE	5015	GRAND FORKS	10	47 54	97 38	1134	7P	7P	ELEN PETERSON	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5 7
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT M JOOSAAS	2 3 5 7
MADDOCK AGM SCHOOL	5434	BENSON	11	47 58	99 30	1604	6P	8P	BENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 8
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	8P	6P	PARE SUPT	2 3 5
MANNING	5519	DUNN	8	47 14	102 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5575	SLOPE	7	46 18	103 55	2714	6P	6P	S P GRANE	2 3 5 7
MARTIN	5610	SHERIDAN	11	47 50	100 07	1610		6P	JOHN W MAGNUSON	3
MAX	5658	MC LEAN	8	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5660	TRAILL	10	47 30	97 19	975	8P	8P	B A RAGA2	2 3 5 7
MC CLUSKY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A HAMILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MIO	HARTVIN B HERMANSON	3 4
MC HENRY 5 W	5730	EDDY	11	47 38	98 35	1509	8P	8P	C E BLASKY	3 5 7
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	B B EMIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	46 53	99 19			6P	RUDOLPB GRAF	3
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	CLOSED
MEDORA TRMP	5813	BILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	99 02	1825		MIO	EDGAR S STEGMEIER	3 4
MINOT CAA AP	5988	WARD	12	48 15	101 17	1724	MID	MIO	U S CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720	6P	8P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGB	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1638	9P	9P	IVER JOHNSON	2 3 5 7
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	ROLF HANSON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420	SS	SS	FOREST E COFING	2 3 4 5 7
MUNICB 4 SW	6195	CAVALIER	2	48 38	98 53	1598	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 1 SE	6255	LOGAN	8	46 29	99 45	1955	7P	7P	GLADYS J PETERSON	2 3 4 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S BATC9	2 3 5
NEW ROCKFORD	6350	EDOY	5	47 41	99 08	1555		SS	VALENTINE A RIEDER	3
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550	6P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	6P	8P	WM F GAEBE	2 3 5
OAKES	6620	DICKEY	5	46 08	98 05	1320	8A	8A	C W HAGEN	2 3 4 5
ONEMEE 3 SE	6703	BOTTINEAU	12	48 35	100 20			MID	ARTHUR B VOLLMER	CLOSED
PARE RIVER	6857	WALSH	10	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 5 7
PEMBINA CAA AP	6947	PEMBINA	10	48 57	97 15	792	MID	MIO	U S CIVIL AERO ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5 7
PETTIBONE	7047	KIODER	8	47 07	99 31	1860	7P	7P	L H DETHLOFF	2 3 5 7
PORTAL	7201	URKE	12	49 00	102 31	1954	9A	9A	U S CUSTOMS SER	2 3 5 7
POWERS LAKE	7281	URKE	8	48 34	102 31	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 54			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
REEDER 14 N	7452	S	1	45 19	102 57	2860		8A	CHAS M METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 14	2467	5P	5P	ASSUMPTION ABBEY	2 3 4 5 7
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6 7
ROLETTE	7655	BOLETTE	12	48 40	99 50	1625	MID	MIO	GEORGE F GEHRES	3 4
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO 9 FAGERLUND	2 5 5 7
RUGBY	7704	PIERCE	12	48 22	100 00	1560	6P	6P	FRANK BORNSTEIN	2 3 5 7
RYDER	7749	WARD	8	47 55	101 40	2108		9A	S C SCRELLENBAUM	3
SANISB	7834	MOUNTRAIL	8	47 59	102 32	1835	7P	7A	H J BUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	99 00	1585		MIO	CLARENCE J OLSON	3 4
SEANING	7944	MC KINZIE	13	47 34	103 48			MID	GLENN 6 MC RAE	3 4
SELFRIDGE 11 W	7952	SIOUX	8	46 01	101 10	2183		7P	L E WILSON	5
SHARON	7986	STEELE	10	47 38	97 54	1516	8P	8P	HUGH LYON	2 3 5 7
SHERWOOD	8047	RENVILLE	12	48 00	101 38	1647		6P	U S CUSTOMS SERV	3
SHEYENNE	8057	EDOY	11	47 50	99 07	1500		MIO	ALVIN E SOGERHOLM	3 4
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5 7
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARD	3
TIDGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST B RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1936		8P	ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS 1 C ROBERTSON	2 3 5
VAN BOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5 7
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J WANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962		MID	VICTOR SURTON	3 4
WAHPETON STATE SCBOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCE	2 3 5 7
WALHALLA	9155	PEMBINA	9	48 56	97 54	950		7P	JAMES N YOUMANE	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C 2KLLER	2 3 5 7
WESTBOP8	9333	BOTTINEAU	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JONATHAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 35	1877	MID	MIO	U S WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	9445	BOTTINEAU	12	48 36	100 17	1471	8P	8P	O M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISBEE	9515	MC INTOSB	8	46 16	99 34	2010	8A	8A	H W LARSON	2 3 5
NEW STATIONS										
FRYBURG	3277	BILLINGS	4	46 53	103 18	2790		7A	HERMAN J MAY	3
TROTTERS	8812	GOLDEN VALLEY	13	47 20	103 54	2420		MIO	EUGENE A RUSSELL	3 4

† DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne, 12 Sourls; 13 Yellowstone

See reference notes following Table 1.
See corrections following Table 4.

GPO CB FSD 2-7-50 1,100

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Nat. Hist

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

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CLIMATOLOGICAL DATA

NORTH DAKOTA

ANNUAL SUMMARY 1949

Volume LVIII No. 13

CHICAGO: 1950

NORTH DAKOTA, 1949

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

Tbe outstanding feature of the weather during 1949 was the heavy snowfall in southwestern and north-central North Dakota. It was necessary for the Army to come in with snow removal equipment to open roads to farm bouses. The temperature averaged above normal deapite the fact that January and February were unusually cold. Precipitation averaged below normal for the year hut was above normal in January, May, July and October. Crops varied, being best in the north and poorest in the southwest and quite spotty elsewhere.

The average temperature for the year was 39.9° or .3° above normal. The mean for the eastern division was 40.0°; for the middle division 39.4° and for the western division 40.3°. The average precipitation for the state was 16.24 inches or 0.85 below the normal. The average for the the eastern division was 20.03 inches, for the middle division 16.36 inches and for the western division 16.24 inches. The average snowfall waa 39.2 inches, with some northern and western stations reporting 60 to 70 inches.

JANUARY was cold with temperatures averaging helow normal at nearly all stations. It was the coldeat January since 1943. A few stationa in the extreme northwest portion reported precipitation somewhat helow normal, otherwise every station reported above normal amounts. The snowfall was three times the January normal and was the greatest January average since the beginning of records. Some northern and western atations reported more than 30 inches.

FEBRUARY was very cold. Temperature averaged approximately eight degrees below normal. Precipitation averaged slightly below normal. The average snowfall was 6.3 inches with about equal amounts in all diviaions. Most country roads and a number of state higbways remained blocked for long periods. Branch line trains in many sections failed to operate. Feed for livestock became critically short in many areas. As a result the Army was called in to assist in opening roads. Their activities included opening bighways, county roads, roads into farms, and roads to haystacks. Airplanes were used in some areas to drop hay to livestock. The Army started in the southwest portion and gradually spread into tbe north-central and northeast portions. Very little loss of livestock and very little buman suffering occurred, due in large part to the efforts of the 5tb Army crews. The depth of snow on the ground was one of the bighest on record.

MARCH was cool and dry. Considerable local flooding began on the tributaries of tbe Missouri by the end of tbe month with Mandan most affected. Tbere was some difficulty feeding livestock in northern counties due to heavy snow cover. However, the fine weather early in tbe month was favorable for opening roads. In general, there was plenty feed for livestock and tbey came through the winter in fine condition.

APRIL was warm and dry. Considerable snow remained in the north-central and northeast sections during tbe first week. Warm weather caused tbe snow to disappear rapidly and as a result, there was considerable flooding on nearly all streams. With very little rainfall during the month, tbe fields dried fast and seeding was in full swing by the 15th over the southern and weatern sections. The north-central section was delayed considerably by snow and wet fields and very little seeding was accomplished. Moisture conditions remained generally adequate during the month due to late disappearance of the snow. Some wheat was up and appeared to be coming along in fine shape.

MAY was warm with ample moisture in tbe middle and eastern divisions. The western division, however, was deficient in rainfall. Crops genarally developed well but many areas in the west and some areas in the soutb suffered from lack of adequate rainfall. The month opened with heavy rains over most of the state except the extreme west. These rains broke the dry spell that had existed during April in the south and west. Heavy frost occurred on the 24th with minimum temperatures in the twenties at nearly all stations.

JUNE was marked by wide variations in rainfall. Although the state average was below normal, the north-central portion was considerably above normal. The southwest suffered from lack of rainfall. Crop conditions thus varied widely, being best in the north and poorest in the southwest and quite spotty elsewhere. Temperaturea averaged near the seasonal normal. Nearly all sections of the state had wind storma at some time during the month which damaged buildings - in some casea destroyed barns and granaries. Hail caused considerable damage.

JULY experienccd near normal temperatures and above normal precipitation. However, rainfall was too late to do much good for small grain crops in the aouthwest. Crops were spotty in the southern half to very good in the north-central counties. Precipitation varied widely over the state with the eastern division averaging 2.19 incbes above normal, the central division 0.47 inch above and tbe western division 0.60 inch above normal. Some stations in tbe weat, north-central and northeast counties reported below normal precipitation for the month. Cropa generally made good growth, hut the soutbweat aectiona were unable to recover to any great degree from the drought conditiona in June.

This was one of the warmest and driest Augusts on record. The mean temperature of 71.2 degrees for the month has heen exceeded only once. All sections of the state averaged more than four degreea above normal. The highest temperatures were recorded on the 7th, 8tb and 9th with nearly all atations having readings above 100 degrees. Precipitation averaged 1.33 inches below normal in the eaat, 1.05 inchea below in tbe middle, and 0.86 inch below normal in the weatern diviaion. Tbere bave been only three years in tbe climatological history of tbe state in wbich the month of August has had less rainfall. Witb aucb warm, dry weather, conditions were ideal for harveating and thrashing. Harveating was generally in full swing during the first week and barvesting of most small grains was completed during the fourtb week, except for flax.

September with its seasonable temperatures and lesa tban half tbe normal precipitation was an ideal month for harvesting and threshing and other fall work. Farming operations made rapid progreas. Harvesting and threshing were mostly completed by tbe middle of the montb. Corn picking, potato and beet digging made good progreaa during the laat half of the month.

OCTOBER temperatures averaged near or slightly above the seasonal normal in the eastern and southern sections and averaged below tbe seasonal normal in the other sections. Precipitation was more tban twice tbe normal and was the greatest October precipitation since statewide records began. Tbe precipitation was fairly well distributed tbroughout the state and throughout tbe month. Tbe least amount fell in the weatern part of the state where more moisture would have been beneficial. Livestock were in fair to good condition but range and pasture feed supply was rather poor in the west portion.

Witb a mean temperature of 37.1 degrees, wbicb ia more tban ten degrees above normal, the state had its warmest November on record. Precipitation averaged slightly less than half of normal with tbe driest areas in the west portion. The major precipitation occurred aa anow from tbe 18th to tbe 25th. There was no snow on the ground at tbe end of tbe month. The warm, dry weather was ideal for outdoor work. Livestock were able to feed on ranges, pastures and stubble fields and as a result were in good condition.

The first ten days of December were a continuation of tbe above normal temperatures and light precipitation tbat prevailed during November. After the 10th, temperatures averaged considerably below normal and precipitation averaged above normal. The snowfall was conaiderably above normal in the eastern and central sections of tbe atate. By tbe close of the month, the snow cover ranged from 5 to 20 inches in tbe eastern part of the state and from none to ten incbes in tbe western part.

Thus another year is ended with good crop weather generally in tbe eastern and northern parts of the state, however, tbe weather was too dry in the southwestern section.

F.J.B.

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ACKNOWLEDGMENTS

In addition to tbe climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin aeries contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type wbich produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corpa of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 aince that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation haa transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of tbis bulletin Seriea, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areaa embracing the entire United States, but since tbe Network was eatablished to meet the internal requirements of the Federal Agencies referred to above, no provision was made for public dissemination of tbe data, distribution being limited to cooperating agenciea and to certain public repoaitories. A list of locations where reference copiea of the Hydrologic Bullatin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Wasbington 25, D. C.

Many other records published in this bulletin have been made availabla through the cooperation of various public offices, private agenciea, and individuals as listed in the Station Index.

Table I

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure
ALMONT 7 SW	3.0	-	5.3	-	23.8	.	48.2	-	71.7	-	64.4	-	71.5	-	73.0	-	58.2	-	44.9	-	42.0	-	12.1	-	42.1	
ARMENIA															72.3	-	57.1	-	47.2	-	35.8	-	11.3	-		
AMIDON	2.4	-12.2	7.6M	- 8.6	24.1M	- 4.1	48.2	6.8	57.3	3.8	64.4	1.6	70.8	0.2	72.1	3.7	57.4	- 1.0	43.2	- 1.8	41.4M	10.8	14.9	- 4.2	42.0	- 0.4
ARVILLA STATE PARK	1.9	-	-	-	-	-	48.8	-	58.5	-	65.6	-	70.0	-	72.1	-	56.4	-	45.4	-	33.5	-	8.7	-		
ASHLEY	1.7M	- 7.0	0.8	-10.6	22.2	- 2.7	46.2M	3.8	56.6	2.4	64.1	-	70.4	0.7	71.2	4.0	55.5	- 2.4	45.7M	1.3	38.1	10.1	10.8	- 4.0	40.2	- 0.4
BALDHILL DAM	-	-	14.1M	-	20.3M	-	-	-	54.4M	-	64.6M	-	68.2M	-	70.4M	-	53.3M	-	-	-	-	-	-	-	-	
BEACH	2.4	- 9.7	7.8	- 8.4	24.6	- 3.0	47.4	5.2	57.1	4.1	63.0	0.4	69.3	- 0.6	71.3	4.1	55.5	- 1.9	42.2	- 2.3	41.0	10.3	14.0	- 4.4	41.3	- 0.5
BELCOURT INDIAN RES	-0.8	-	-3.5	-	16.3	-	42.2	-	52.3	-	60.2	-	65.5	-	68.9	-	51.8	-	38.8	-	32.0	-	2.9	-	35.3	
BELFIELD	1.8	-12.5	5.6	- 8.8	24.1	- 3.4	47.0	4.8	56.7	3.6	62.2	0.5	69.1M	- 0.8	70.3	2.3	56.9	- 2.1	42.1	- 3.8	40.7	11.3	11.5	- 8.3	40.6	- 1.5
BISBEE	-1.3	- 3.1	-3.5	-10.0	-	-	42.8M	2.2	53.4M	0.7	61.7	- 0.4	67.2	- 0.2	68.9	3.2	54.0	- 2.7	40.6M	- 3.2	33.1M	6.7	5.6	- 4.1		
BISMARCK WB CITY	3.2	- 4.8	3.1	- 8.5	24.3	- 0.8	48.6	5.5	58.7	3.9	67.0	2.8	72.5	2.0	72.7	4.5	57.1	- 1.0	46.5M	1.3	40.8	12.1	10.8	- 4.9	42.1	1.0
BISMARCK WB AIRPORT	2.5	- 3.8	2.2	- 6.3	24.0	- 2.1	48.9	8.5	58.4	5.4	65.2	2.3	71.4	2.0	72.4	5.7	58.4	- 0.9	44.4	0.8	39.1	12.8	9.8	- 3.0	41.3	2.3
BOTTINEAU	0.9	- 1.9	2.0	- 6.9	16.2	- 4.6	43.1	4.1	54.5M	2.2	60.3	- 1.5	-	-	69.8M	4.9	54.8	- 0.7	40.8	- 0.5	34.2	10.6	4.4	- 3.9		
BOTTINEAU STATE PARK	0.0	-	-3.4M	-	-	-	-	-	53.5	-	58.8M	-	68.5	-	69.2	-	55.6	-	43.0M	-	35.0	-	-	-		
BOWBELLS RR STATION	1.3M	- 8.1	-0.1	- 7.8	20.1	- 1.4	45.7M	6.4	53.9M	1.5	61.1M	- 0.7	64.5	- 3.0	68.9	4.1	52.6	- 2.0	40.4M	- 1.4	36.9	10.7	6.0M	- 6.9	37.4	- 0.5
BOWMAN COURY HOUSE	0.4M	-15.0	6.1M	-11.3	24.4M	- 3.9	49.7M	7.2	58.1M	4.5	64.9M	1.5	70.9	0.0	71.9	3.8	58.3	0.5	44.4	- 0.4	42.7	12.2	11.6M	- 8.0	41.8	- 0.6
BUTTE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.2M	- 0.6	38.9	12.4	8.4M	- 5.4		
CARRINGTON	0.3M	- 8.4	-1.4	-10.3	18.5	- 5.2	46.2	6.6	55.2	2.1	62.6	- 0.8	67.3	- 2.1	68.7M	1.6	52.6	- 4.4	42.7M	- 1.0	33.4M	6.1	7.6	- 5.0	37.8	- 1.6
CARSON 2 S W	1.6	- 8.5	3.3M	-11.2	24.1	- 2.9	48.6	6.1	58.2	3.7	65.4	1.7	71.9	1.1	72.8	4.2	57.8	- 0.3	44.2	- 0.3	40.7	10.9	11.0	- 5.6	41.6	- 0.1
CAVALIER POWER PLANT	0.9	- 0.5	-2.1	- 8.2	19.4	- 1.6	46.2	7.0	57.0	3.4	65.2	2.6	68.3	0.3	70.7	4.8	56.0	0.4	43.8M	0.8	33.4	8.7	7.7	- 2.8	38.8	1.2
CENTER	1.6	- 8.2	2.6	- 8.9	22.4	- 4.1	48.2	5.4	56.8M	2.3	63.3	- 0.4	69.2	- 1.8	70.1	2.1	55.3	- 2.8	43.1M	- 2.2	38.1	8.6	7.8	- 8.5	39.9	- 1.5
COOPERSTOWN	1.4	- 2.9	2.2	- 5.6	20.8	- 3.5	47.7M	7.4	56.2	2.4	64.7	1.5	69.8	0.0	-	-	55.1	- 2.6	44.5	- 0.2	34.5	7.2	8.5	- 4.5		
CROSBY	-2.9	- 7.3	-1.5	-11.0	19.2M	- 4.6	44.7M	4.8	55.6	3.3	60.1	- 1.6	66.5	- 1.4	68.9	4.9	53.6M	- 1.2	39.5	- 2.7	36.5	10.0	4.2	- 8.7	37.1	- 1.3
DEVILS LAKE WB CITY	0.5	- 1.3	-1.4	- 6.5	17.4	- 2.4	45.4	6.6	55.0	2.4	63.4	1.5	68.6	1.2	71.6	6.8	55.2	- 0.7	42.4	0.0	33.8	9.4	5.2	- 4.3	38.1	1.1
DICKINSON CAA	0.6	-10.0	3.7M	- 9.1	-	-	47.3	5.5	57.1	4.4	63.4	1.3	69.8	0.9	71.3	4.8	55.8	- 0.6	42.5	- 1.3	40.5	12.3	12.1	- 4.7		
DICKINSON EXP STATION	0.2	-10.4	2.8	- 9.9	20.7	- 4.8	47.3	5.5	56.8	4.2	62.8	0.5	68.3	0.3	70.9	4.4	54.8	- 1.6	42.4M	- 1.4	39.3	11.1	11.1	- 5.7	39.8	- 0.6
DRAKE	-0.4	- 5.9	-1.3	-11.7	18.8M	- 5.8	46.8	8.4	55.8	1.1	63.2	- 0.6	69.9	- 1.7	72.8	5.0	55.3	- 2.3	43.1	0.0	37.0	11.1	7.3	- 8.1	39.0	- 1.1
DUNN CENTER	2.3	- 9.8	3.2	-10.8	21.8	- 4.1	49.4	7.9	57.2M	4.4	63.8	1.1	69.2	0.2	71.8M	5.4	52.4M	- 4.1	41.5M	- 0.6	39.3	11.4	8.3	- 8.7	40.0	- 0.8
DUNSEITH ST SANITARIUM	0.1	- 2.7	0.5	- 7.2	17.8	- 2.7	44.4	4.9	54.2	1.4	-	-	-	-	70.4	5.8	54.3M	- 0.7	41.6	0.0	34.6	10.5	5.7	- 4.6		
ECKMAN	-3.8	- 8.7	-5.4	-12.8	16.1	- 6.8	42.7M	2.3	54.5	1.9	61.1	- 0.8	65.9	- 2.1	68.6	3.8	53.0	- 2.7	40.6	- 1.6	33.4	8.0	2.7	- 7.6	35.8	- 2.1
EDGELEY EXP FARM	6.6	- 2.2	5.7M	- 7.1	26.2	- 1.1	46.6	4.0	58.8	2.4	65.3	1.7	70.5	0.6	71.6	3.8	57.4	- 0.9	45.9M	0.3	37.8	8.5	10.4	- 4.6	41.7	0.4
EDMORE 1 W	-0.7	- 0.9	-1.9	- 6.7	16.4	- 4.7	43.7	4.4	54.3	1.1	67.2	4.9	67.4	- 0.1	69.8	5.0	53.8	- 2.6	41.5	- 1.0	32.6	8.0	4.4	- 8.1	37.4	0.1
ELBOWOODS	0.4M	- 8.2	13.0	0.9	22.7	- 3.5	49.8	6.9	56.8M	2.2	61.0M	- 2.4	68.1	- 1.8	69.0M	1.1	53.8	- 3.7	42.1	- 2.7	38.1	9.7	7.8	- 8.1	39.1	- 1.9
ELLENDALE	6.1	- 3.9	5.4	- 7.7	26.0	- 1.2	47.0	4.3	57.1	1.8	65.8	1.0	71.2	0.3	74.0	5.3	57.7	- 1.1	46.9M	1.0	39.8	11.4	13.9	- 2.4	42.6	0.8
EPPING	0.3	- 4.9	2.4	- 7.0	23.0	- 4.0	49.1	7.4	58.2	3.2	62.3	- 0.8	70.7	- 0.1	73.1	5.6	56.4	- 0.3	41.9	- 0.2	41.1	14.8	5.5	- 9.7	40.3	0.3
FARGO WB AIRPORT	3.6	- 0.2	2.3	- 5.8	22.1	- 0.6	46.8	6.2	57.6	2.5	65.6	1.2	71.3	3.2	72.6	6.5	58.8	- 1.4	45.8	1.5	34.1	7.0	10.4	- 0.3	40.8	1.6
FESSENDEN	1.9	- 2.8	2.6	- 7.1	20.4	- 3.3	48.5	8.1	55.8	2.5	63.4	0.8	69.2	- 0.2	70.6	3.8	57.3M	0.7	44.8M	1.5	35.8	9.2	6.8	- 5.0	39.8	0.7
FORMAN	7.2	- 0.4	6.7	- 5.2	27.5M	1.5	48.8	4.8	59.3	3.6	67.0	2.0	73.1	3.0	73.8	5.6	56.8M	- 2.7	47.4	1.4	37.4	8.8	13.2	- 2.1	43.2	1.7
FORT YATES	5.4	- 4.2	8.2	- 4.4	28.5M	1.3	49.8	5.0	59.5M	2.8	67.1	0.5	72.0	- 0.7	-	-	-	-	48.8M	0.2	40.0M	10.0	-	-		
FOXHOLM WILDLIFE REF	0.9	- 5.9	2.0	-10.0	21.9M	- 3.5	48.8	8.0	56.6	2.4	62.9M	1.0	69.0	- 0.7	71.2	4.6	55.7	- 0.5	43.9M	1.0	38.5	12.9	7.3	- 6.9	39.9	0.2
FULLERTON	7.4	- 1.7	6.9M	- 5.5	26.3	- 0.8	48.5M	5.8	58.1	4.3	67.1	2.9	72.4	2.2	73.8	5.8	57.8	- 0.2	47.5	2.2	39.0	10.0	12.0	- 3.2	43.1	1.8
GACKLE	2.8M	- 4.9	4.5M	- 6.0	23.0M	- 2.3	47.1M	5.0	-	-	65.7M	2.4	70.7M	0.7	71.5M	4.0	-	-	-	-	-	-	9.2M	- 5.3		
GARRISON	0.2	- 7.7	0.6M	-10.5	22.2M	- 2.2	49.8M	7.7	58.0M	4.4	64.1	1.2	70.6	1.4	72.3	5.7	58.8M	0.9	42.4	- 0.8	37.7	11.2	6.8	- 7.6	40.1	0.3
GRAFTON STATE SCHOOL	1.9	- 0.7	-1.6	- 8.9	19.3M	- 2.4	46.1M	5.5	58.4M	2.3	65.4	1.7	69.4	0.6	70.1	3.9	58.0M	- 1.0	43.7M	- 0.1	34.3M	9.3	8.7M	- 4.0	39.0	0.5
GRAND FORKS CAA	1.2	- 2.4	-1.6	- 9.3	18.1	- 4.4	45.1	3.8	55.0	0.8	64.2	0.8	69.3	0.8	71.0	5.0	55.3	- 1.6	44.0	0.3	33.1	7.3	7.1	- 3.9	38.5	- 0.2
GRAND FORKS UNIVERSITY	1.4	- 2.2	-1.0	- 8.7	18.4M	- 4.1	44.9	3.6	55.3M	1.1	64.5	1.1	68.8M	0.3	70.8	4.8	55.2	- 1.7	43.7	0.0	33.6	7.8	7.6	- 3.4	38.6	- 0.1
GRANVILLE	-0.7M	- 5.8	-0.3	-10.3	19.8	- 4.7	47.4	6.6	56.8M	3.9	63.2M	0.5	68.9	0.2	70.7	5.0	55.3	- 0.6	43.3M	- 0.3	37.4	11.0	8.2	- 8.8	39.0	- 0.1
GRENORA	1.4	- 3.5	1.6	- 7.4	25.5M	3.1	51.7M	12.4	58.7M	6.5	62.8	1.8	70.7	3.3	72.2	6.6	58.2	2.9	40.3	- 1.8	37.6	11.5	4.5	- 7.8	40.4	2.4
HANKINSON RR STATION	4.9M	- 3.0	12.8	- 1.3	23.4M	- 5.2	46.2M	2.7	58.3M	0.3	66.9	0.0	72.3	0.8	73.7	3.0	56.0	- 4.5	47.1M	0.5	35.9	7.0	12.6	- 5.1	41.6	- 1.3
HANNAH	1.8	0.6	-	-	-	-	-	-	53.8	2.3	62.4	1.9	67.8	1.6	69.6M	5.5	54.2M	- 0.6	41.5	0.7	31.8	11.1	2.7M	- 4.9		
HANSBORO	0.9M	- 1.5	4.3	-10.4	15.6	- 5.1	41.9M	3.3	53.1M	1.6	60.4M	- 0.4	66.2M	- 0.1	69.1M	5.6	54.6	0.4	40.9M	- 0.4	32.6M	9.1	5.8M	- 3.4	36.3	- 0.1
HETTINGER	3.8M	- 9.9	7.5	- 9.0	-	-	48.4	5.5	57.7	3.2	64.5M	0.5	-	-	-	-	57.0	- 1.6	45.1	- 1.0	42.2	10.8				
HILLSBORO	3.8	- 1.1	1.9M	- 8.3	22.3	- 3.0	46.5	4.3	57.1	2.3	65.7	1.0	70.7	0.0	70.8	2.6	56.4	- 2.6	46.0	0.8	34.1	6.8	9.7	- 2.3	40.4	0.0
JAMESTOWN CAA	4.1	- 3.0	3.4	- 6.5	23.0	- 1.4	46.6	4.8	55.9	1.8	63.9	0.2	69.7	0.1	70.8	3.9	55.4	- 1.8	44.1	- 0.6	35.9	8.6	8.4	- 5.5	40.1	0.1
JAMESTOWN STATE HOSP	5.5	- 1.6	4.7	- 5.2	24.3	- 0.2	48.1	6.4	57.7	3.6	-	-	71.4	1.8	72.0	5.1	56.7	- 0.3	45.9	1.2	36.8	9.5	9.8	- 4.1		
KENMARE	0.6	- 5.2	0.7	- 7.5	21.4	- 1.8	47.9M	7.7	56.2	2.3	62.0	- 0.4	68.4	- 0.8	71.9	5.9	56.4	0.2	-	-	38.3	12.0	7.8	- 6.4		
KENSAL WILDLIFE REFUGE	2.4	-	1.9	-	20.9	-	44.4	-	53.5	-	61.3	-	68.5	-	68.2	-	52.9M	-	41.7M	-	33.0	-	6.0	-	37.7	
LA MOURE	5.6	-	5.8	-	26.1	-	47.6M	-	56.6M	-	66.1M	-	72.4	-	73.4	-	57.6M	-	47.3	-	37.9	-	11.9	-	42.3	
LANGDON EXP FARM	-1.7	- 1.3	-2.9	- 7.7	16.2	- 3.6	43.1	5.5	54.1	2.3	62.4	1.8	66.7	0.4	68.3	5.6	54.4	0.9	40.5M	- 0.4	31.6	7.9	3.8	- 5.0	36.5	0.6
LARIMORE	2.5	- 1.3	0.8	- 6.9	19.5	- 3.2	46.1	5.9	56.1M	2.7	65.1	2.2	68.6	1.5	71.3	5.4	56.4M	0.0	44.5	0.4	-	-	9.1	- 2.4		
LEEDS	0.1	-	-0.5	-	18.9	-	46.7	-	56.8	-	65.3	-	70.7M	-	72.4	-	56.3	-	43.7	-	33.3	-	5.9	-	39.1	
LINTON	3.6M	- 5.7	5.9	- 7.8	26.3	- 1.7	49.7	6.9	60.0	4.3	66.7	1.5	72.7	0.0	73.9	3.8	57.1	- 2.7	45.9	0.4	38.7	8.9	11.1	- 4.2	42.6	0.4
LISBON	5.7	- 1.9	4.8	- 6.8	25.2	- 2.1	45.4	3.3	60.0	5.2	64.8	0.4	70.4	0.0	72.6	4.8	55.5	- 2.6	45.6	0.9	35.9	7.1	11.0	- 3.8	41.4	0.4
MADDOCK AGR SCHOOL	0.4	- 4.2	-0.5	-10.7	18.7	- 5.6	46.2	5.6	55.7	1.9	63.3	1.1	69.0	0.1	-	-	55.8	- 1.1	43.1	- 0.4	35.0	8.8	6.6	- 4.8		
MANDAN EXP STATION	2.5	- 6.1	2.5	-10.1	22.9	- 3.9	48.4	5.8	57.1	2.0	64.6	0.2	70.7	- 1.2	71.7	2.8	56.2	- 2.4	44.6	- 0.1	38.5	9.6	9.6	- 5.5	40.8	- 0.7
MANDAN FT LINCOLN PARK	5.3	-	5.8	-	25.4	-	50.5	-	59.0	-	66.8	-	72.7M	-	73.4	-	58.8	-	46.1M	-	40.9	-	11.9	-	43.0	
MARMARTH	1.8	-11.7	7.2M	-10.0	25.9M	- 2.9	49.2M	6.0	59.0M	5.4	65.5M	2.1	72.7M	1.5	71.6M	3.4	56.5M	- 1.3	42.8M	- 3.2	40.0M	9.1	15.4M	- 3.1	42.3	- 0.4
MAX	-1.9M	- 6.4	-0.3	- 9.9	19.7	- 4.8	46.5M	5.9	56.3	2.2	62.5	- 1.1	68.6	- 2.8	72.1	4.7	54.6	- 2.0	41.9M	1.0	36.8	11.1	5.9	- 8.6	38.6	- 1.0
MAYVILLE	3.8	- 2.2	1.3	- 8.5	21.9	- 2.8	48.2	5.7	57.3M	1.9	65.9	1.4	71.3	1.1	73.2	5.3	57.8	- 0.6	47.0	1.0	34.9	7.1	9.5	- 3.8	41.0	0.4
MC CLUSKY	1.0	- 5.4	1.3	-10.5	-	-	46.5	5.4	55.5M	1.5	62.8	0.5	68.4	- 2.0	72.0	4.8	55.9	- 1.3	42.8	- 0.6	37.7M	12.1	8.0M	- 5.7		
MC HENRY 5 W	0.6	- 0.9	-0.2	- 5.6	19.0	- 4.0	45.9	5.3	55.3	2.6	63.1	1.3	68.0	- 0.1	69.8	4.1	54.9	- 0.9	42.8	- 0.5	34.1	7.5	5.7	- 5.1	38.3	0.4
MC LEOD 3 E	5.0	- 3.3	5.0	- 8.0	25.6M	- 2.2	48.4	4.8	59.8M	4.0	66.8	1.5	71.8	0.2	74.1	5.6	60.4	0.9	47.4M	0.8	37.5	7.8	11.8	- 3.3	42.8	0.8
MEDORA STATE PARK	1.4	-13.1	6.2	-10.1	26.5M	- 2.2	49.5M	6.0	-	-	-	-	-	-	-	-	-	-	-	-	39.9	9.8	13.1M	- 6.4		
MEDORA TRMP	3.0	-	8.4	-	25.2	-	48.3M	-	58.6M	-	65.0	-	70.6	-	71.1	-	55.2	-	44.1	-	39.9	-	12.3	-	41.6	
MINOT CAA	1.1	- 5.5	1.2	- 9.0	20.3	- 3.3	48.0	7.2	56.2	3.1	62.6	- 2.5	68.6	- 0.2	71.3	5.7	56.6	0.2	42.9	- 0.9	37.9	10.5	6.3	- 6.8	39.4	- 0.1
MINOT EXP FARM	1.3	-	2.0	-	21.2	-	48.3M	-	56.8	-	63.1	-	69.1	-	70.8	-	56.5	-	42.9	-	38.0	-	6.5	-	39.7	
MORALL	-1.2	- 6.0	-2.2M	- 9.7	18.4	- 3.1	45.1	4.7	56.3	3.2	61.1	- 0.6	65.8	- 1.7	68.6	3.8	54.6M	- 0.3	41.4	- 0.8	36.9	11.9	6.1	- 5.6	37.5	- 0.4
MONTPELIER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.4	-	34.5	-	7.8	-		
MOTT	2.9	- 7.3	5.7	- 8.4	23.5	- 4.1	48.7	6.4	57.6	3.0	65.4	0.4	70.9	- 0.7	71.6M	3.6	58.6	0.8	-	-	40.5	11.2	12.9	- 2.9		
MUNICH 4 SW	-0.9	-	-3.5	-	16.8	-	41.9	-	53.2	-	60.8	-	65.0	-	68.9	-	53.4	-	40.5	-	31.7	-	3.6	-	36.0	
NAPOLEON 1 SE	2.0	- 4.8	3.0	- 5.8	22.5	- 0.8	47.0	5.6	56.4	3.2	63.5	0.6	70.1	0.7	71.4	4.3	55.3	- 2.2	44.2	0.1	37.4	10.6	9.3	- 4.1	40.2	0.6
NEW ENGLAND	5.3	- 8.2	8.0	- 6.5	26.2	0.1	50.2	7.8	59.0	5.8	64.6M	1.0	70.8	0.3	72.2	4.4	56.8	- 0.6	45.2M	1.1	42.1	12.7	15.9	- 1.5	43.0	1.3
NEW SALEM 1 S	2.9	- 6.8	4.3	- 8.7	23.5	- 2.7	48.8	6.6	56.0	2.6	64.6	1.0	71.9	1.1	72.3	4.4	57.4	- 0.9	44.7M	- 0.4	39.2	9.6	10.4	- 5.8	41.3	0.0
OAKES	5.0	- 3.9	3.1	- 9.8	24.4	- 3.3	46.3	3.5	57.7M	2.1	66.9	1.6	72.7	1.0	74.4	5.3	56.5	- 2.5	45.6M	- 0.4	36.7	8.1	11.3	- 4.9	41.7	- 0.3
PARK RIVER	3.4M	0.5	0.9	- 6.8	19.9	- 2.9	47.3	6.8	57.0	3.4	65.0	1.9	69.6	1.1	71.8	5.2	57.3	0.4	45.1	1.4	34.3	7.3	7.2	- 3.9	38.9	1.2
PARSHALL	0.6	- 5.7	2.6M	- 6.1	21.7	- 3.6	48.1	9.1	56.1	2.1	61.2	- 0.8	67.6	- 2.0	69.5	3.5	54.1	- 1.2	42.8	- 1.6	38.4	12.9	7.4	- 7.1	39.2	0.0
PEMBINA CAA	0.3	- 2.1	-3.7	- 6.5	16.2	- 2.2	43.1	4.6	53.2	0.0	62.5	- 0.3	67.0	- 0.8	69.7	5.0	53.7	- 0.8	40.6	- 1.0	30.6	7.2	4.6	- 2.4	36.5	0.5
PETERSBURG	-	-	0.2	-	17.7	-	44.2	-	55.2	-	63.6M	-	67.7	-	70.1	-	55.1	-	43.2	-	32.5	-	5.6M	-		
PETTIBONE	3.1	- 0.8	3.0	- 6.0	21.3	- 3.1	46.5M	5.7	55.9	2.7	64.3	1.7	69.9	0.4	71.3	2.8	55.9M	- 0.7	44.0	1.4	36.4	10.3	8.8M	- 2.9	40.1	1.0
PORTAL	-2.0	- 5.0	-2.1	- 8.3	18.7M	0.3	47.5	6.9	55.4	3.3	60.9	0.3	68.1	- 1.9	69.0M	4.2	53.8M	- 1.4	38.9M	- 2.6	36.0M	11.0	3.4	- 9.2	37.1	- 0.2
POWERS LAKE	-1.3	- 9.4	-0.6	-12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
RICHARDTON ABBEY	3.6	- 7.5	6.2M	- 8.5	24.0	- 3.2	49.0	7.6	57.9	4.0	64.6	1.5	70.3	- 0.8	71.5	3.0	57.4	- 0.8	44.4	- 0.2	42.4	13.7	12.9	- 3.3	42.0	0.4
RIVERDALE	2.5	-	4.0	-	22.6	-	-	-	56.2	-	63.0	-	68.8	-	72.5	-	55.4	-	42.7	-	37.6	-	7.7	-		
ROLLA	-0.3	- 2.9	-2.6M	- 9.4	17.4	- 3.8	43.0	3.2	53.4	1.4	61.1	0.9	66.8	0.1	68.9	3.3	54.3	- 0.8	40.0	- 2.5	33.4	10.2	4.8	- 5.4	36.7	- 0.5
RUGBY	-0.8	-	-1.3	-	-	-	-	-	57.1	-	64.6	-	70.7	-	72.1	-	57.0	-	43.8	-	35.5	-	6.4	-		
SANISH	-0.1	- 5.1	-1.5	-10.1	21.2	- 3.6	46.9	5.2	53.8	- 1.4	61.5	- 1.8	66.7	- 4.0	69.8	2.2	52.2M	- 5.3	40.3	- 3.9	36.0	8.0	6.0	- 7.5	37.7	- 2.3
SHARON	1.7	- 1.8	0.7M	- 8.8	20.6	- 3.6	46.6	7.0	55.2M	1.1	63.5	0.5	68.6	- 2.2	70.6	2.7	55.6	- 1.8	43.6	0.0	34.8M	10.1	7.1	- 5.1	39.0	- 0.2
STANLEY	-3.1	-	-1.9	-	19.2	-	46.1	-	54.1	-	59.3	-	65.1	-	67.8	-	52.3M	-	39.6	-	35.0	-	2.5	-	36.3	
STEELE	2.5	- 9.7	3.0	- 6.6	22.7	- 1.8	47.0	4.3	56.9	2.9	-	-	69.0	- 1.2	70.5	3.2	55.1	- 2.6	43.4M	- 0.7	36.4	9.9	7.9	- 5.3		
TOWNER	-1.5	- 2.6	-1.3	- 9.2	19.9	- 2.7	45.6	3.8	56.7	2.4	62.9	- 0.5	69.0	- 0.1	69.8	3.6	55.5	- 1.4	42.2	- 1.3	34.5	9.1	3.8	- 7.4	38.1	- 0.8
TURTLE LAKE	0.8	- 6.1	1.9	- 7.7	21.0	- 4.2	49.1	7.1	57.6	3.7	64.1	1.8	69.6M	0.1	71.7M	4.4	55.6M	- 1.9	45.3M	1.2	-	-	-	-		
UNDERWOOD 12 W	1.9	- 8.0	3.0	-11.3	22.2	- 6.7	49.1M	5.1	57.8	1.5	63.3	- 1.0	69.8	-

Table 1—Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure
VELVA	1.3	- 5.4	1.9	- 8.5	22.5	- 2.8	49.4	8.0	57.4	2.8	83.7	- 0.9	69.9	- 0.1	71.2	4.4	56.2	- 1.0	44.3	0.0	38.0	10.8	8.2	- 6.8	40.3	- 0.1
WAHPETON STATE SCHOOL	7.0	- 1.7	6.0	- 6.4	25.4M	- 2.2	48.7M	4.5	58.8	3.5	68.0	2.2	73.6	2.7	74.0M	5.3	58.3	- 1.7	49.3	2.3	36.7	7.7	14.8	- 1.2	43.4	1.2
WASHBURN	3.2	- 5.0	5.5	- 5.2	23.8	- 1.7	50.5	7.2	58.8	3.5	65.0	0.1	71.8	0.6	72.7	4.6	57.4	- 1.9	45.3	0.3	40.4	11.0	10.6	- 4.9	42.1	0.7
WATFORD CITY	2.8	- 7.0	5.0	- 8.7	24.3	- 1.9	49.9	8.5	58.8	4.3	64.4	1.3	70.1	- 1.0	72.8	4.5	56.8M	- 0.9	43.5	- 0.7	40.5	12.0	10.0M	- 5.3	41.6	0.4
WEST BOPE	-1.5	- 3.6	-3.7	-11.4	16.9	- 5.6	44.1	4.2	56.3	3.2	62.5	- 0.2	67.5	- 0.4	71.3	5.8	55.2	- 0.4	41.5	- 1.1	34.6	8.5	4.4	- 5.8	37.4	- 0.5
WILLISTON WB CITY	1.0	- 5.4	3.0	- 5.2	24.5	- 1.6	50.2	8.2	58.4	4.4	63.6	0.8	69.6	0.7	72.4	6.3	56.2	- 0.4	43.0	- 0.4	40.6	13.4	8.6	- 6.2	40.9	1.6
WILLOW CITY	-1.4	- 2.5	-3.7	- 8.8	17.2M	- 2.8	44.1	4.5	55.5	3.3	62.5	1.2	-	-	68.9	5.7	54.8	0.1	42.1	0.6	33.6	10.8	5.0	- 4.2		
WILTON RR STATION	0.4	- 7.6	0.7	- 8.6	20.6M	- 4.4	45.7	3.5	55.7M	1.8	61.8M	- 1.0	68.1	- 2.3	70.1	2.4	54.3M	- 3.0	40.3M	- 4.6	36.3M	8.0	7.1M	- 7.7	36.4	- 2.0
WISHEK	3.0M	- 4.3	2.1M	- 8.1	22.4M	- 3.7	46.2M	4.7	55.7M	2.5	83.8M	0.3	68.7M	- 1.7	71.0M	4.0	54.5M	- 2.7	43.4M	- 0.6	35.4M	- 7.0	8.4M	- 6.5	39.6	- 0.7

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

Table 2

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
ADAMS 7 S	.82	-	.84	-	.55	-	.06	-	1.44	-	2.51	-	2.20	-	1.06	-	.47	-	4.88	-	-	-	1.40	-		
ALEXANDER RR STATION	.66	-	.33	-	.64	-	.04	-	1.50	-	1.31	-	3.92	-	.03	-	.31	-	1.81	-	*	-	.27	-	10.82	
ALMONT 7 SW	.72	-	.50	-	.42	-	2.00	-	2.61	-	2.37	-	3.33	-	1.12	-	.81	-	2.15	-	.03	-	.15	-	16.21	
ALPHA 1 S	1.31	.88	-	-	.45	- .34	.45	- .81	.75	-1.60	.75	-2.55	1.64	- .40	.72	- .89	.49	- .80	2.12	1.22	*	- .35	.22	- .24		
AMENIA															1.03	-	.38	-	3.33	-	.53	-	.98	-		
AMIDON R	1.20	.77	.25	- .22	.34	- .41	.63	- .69	1.01	-1.33	1.36	-2.12	3.14	1.00	.70	- .85	.70	- .77	2.44	1.47	*	- .41	.19	- .20	10.96	- 3.78
ARVILLA STATE PARK	.74	-	.70	-	.20	-	.04	-	4.84	-	2.56	-	4.26	-	.93	-	.57	-	3.77	-	.59	-	1.08	-	20.28	
ASHLEY 8//	.70	.26	-	-	.14	- .69	.12	-1.49	2.15	- .25	5.18	1.76	5.81	3.15	-	-	.55	- .82	3.63	2.57	.23	- .32	-	-		
BALDHILL DAM	-	-	-	-	.49	-	-	-	3.03	-	2.17	-	7.20	-	2.35	-	.61	-	2.90	-	.60	-	.61	-		
BALFOUR R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.56	-		
BEACS R	1.41	.85	.84	.24	.66	- .09	.04	-1.14	1.34	- .92	.70	-2.89	1.76	- .04	.03	-1.57	.17	-1.10	1.83	.93	*	- .46	.22	- .25	8.80	- 6.34
BELCOURT INDIAN RES	.91	-	.05	-	.61	-	.51	-	1.69	-	2.97	-	2.89	-	1.07	-	.76	-	2.15	-	.45	-	.43	-	14.49	
BELFIELD	1.61	1.15	.87	.42	1.09	.28	.15	-1.14	1.47	- .88	1.31	-2.11	3.81	1.59	1.08	- .73	.42	- .92	2.32	1.35	.10	- .38	.34	- .14	14.57	- 1.51
BEULAH	2.02	1.72	.52	.18	.90	.31	.79	- .22	3.16	.82	2.22	-1.58	3.69	1.41	1.00	- .83	.92	- .63	1.46	.64	.04	- .32	.18	- .23	16.90	1.27
BIGBEE	1.60	1.15	.45	.09	-	-	.11	-1.08	1.83	- .32	1.87	-1.48	1.88	- .82	.58	-1.77	.59	-1.10	2.59	1.60	.35	- .12	.49	.06		
BISMARCK WB CITY	.74	.36	.45	.08	.31	- .56	.87	- .32	1.49	- .74	2.36	- .87	4.62	2.34	2.15	.52	.65	- .79	2.16	1.35	.17	- .31	.58	.10	16.55	1.04
BISMARCK WB AIRPORT R	.74	.29	.37	- .07	.31	- .58	1.70	.18	2.15	- .17	1.24	-2.11	4.18	1.94	3.25	1.43	.54	- .68	2.06	1.12	.20	- .37	.52	- .05	17.26	.92
BOTTINEAU	.68	.27	.23	- .13	.55	- .12	.45	- .39	4.03	1.98	3.47	.28	2.45	.96	.64	-1.81	.57	-1.02	2.27	1.30	.75	.28	.26	- .21	16.35	.48
BOTTINEAU STATE PARK	-	-	.26	-	-	-	-	-	4.21	-	2.41	-	2.90	-	.56	-	.95	-	1.96	-	.35	-	.90	-		
BOWBELLS RR STATION	.45	- .05	.31	- .11	.38	- .19	.05	-1.01	.94	-1.44	5.25	2.01	3.07	.84	1.39	- .59	.99	- .42	2.11	1.26	.05	- .41	.38	- .02	15.25	- .13
BOWMAN COURT HOUSE R//	.43	- .01	.14	- .30	.31	- .37	.98	- .25	2.21	- .11	.64	-2.47	2.95	.87	1.08	- .66	.71	- .56	2.30	1.42	*	- .38	.17	- .18	11.92	- 3.00
BRIEIN	1.01	-	.36	-	-	-	.62	-	2.91	-	-	-	-	-	-	-	-	-	2.77	-	.07	-	.80	-		
BUTTE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.36	1.39	.12	- .48	.49	.00		
CARRINGTON	1.75	1.33	.68	.21	.44	- .25	.47	- .86	1.93	- .66	2.90	- .55	4.88	2.27	1.18	- .89	.30	-1.12	4.17	3.14	.23	- .32	.65	.24	18.49	2.54
CARSON R															-	-	1.08	-	2.01	-	.00	-	.39	-		
CARSON 2 SW	1.75	1.38	.61	.13	.31	- .65	2.34	.99	2.98	.58	1.06	-2.42	3.10	1.11	1.65	- .01	1.10	- .34	-	-	.02	- .55	.81	.33		
CAVALIER POWER PLANT	.93	.26	.53	.02	1.08	.32	*	-1.39	3.14	.88	2.30	- .78	3.43	.79	1.63	- .88	.82	-1.50	6.02	4.73	1.07	.33	1.70	1.01	22.65	3.79
CENTER	1.66	1.29	.75	.33	.59	- .14	2.25	1.02	2.34	.07	1.55	-2.01	2.79	.37	1.08	- .63	.58	- .78	1.76	.85	.12	- .39	.42	- .02	15.89	- .04
COGSWELL	.04	-	-	-	-	-	*	-	2.50	-																
COLGATE	.34	- .14	.05	- .44	.13	- .67	.18	-1.48	4.27	1.57	1.41	-2.07	6.46	3.93	.54	-1.94	.74	-1.09	2.71	1.60	.51	- .16	1.13	.60	18.47	- .29
COOPERSTOWN	.53	- .02	.33	- .18	.55	- .16	.17	-1.22	4.38	1.85	2.87	- .40	7.09	4.50	1.07	-1.54	.85	- .91	3.60	2.52	.54	- .10	1.24	.68	23.22	5.03
COURTENAY	.47	- .14	.25	- .33	.40	- .44	*	-1.43	2.36	- .07	1.78	-1.42	6.00	3.38	1.30	-1.10	.57	-1.27	3.20	2.05	.32	- .25	1.48	.78	18.11	- .23
CROSBY	.17	- .23	.41	.05	-	-	.09	- .84	1.37	- .60	3.76	.60	3.10	1.02	1.12	- .70	.40	- .84	1.58	.75	.11	- .45	.63	.13		
DAWSON R	-	-	.40	-	.38	-	-	-	4.83	-	-	-	2.78	-	1.13	-	.79	-	4.78	-	.17	-	-	-		
DEVILS LAKE WB CITY R	.98	.51	.53	.03	.77	- .01	.15	-1.37	2.76	.73	2.26	-1.30	1.58	- .99	.37	-2.11	.55	-1.08	3.94	2.69	.55	- .17	1.04	.50	15.48	- 2.57
DICKINSON CAA R//	2.06	1.64	.61	.18	.71	.01	.55	- .65	.45	-1.88	.91	-2.61	2.23	.02	1.48	- .36	.24	-1.06	1.58	.67	.06	- .42	.17	- .29	11.05	- 4.75
DICKINSON EXP STATION	1.23	.81	.61	.18	.61	- .09	.14	-1.06	1.33	-1.00	1.21	-2.31	2.84	.63	.42	-1.42	.42	- .88	1.75	.84	.01	- .47	.20	- .26	10.77	- 5.03
DRAKE	1.53	1.14	.65	.18	.80	.10	.37	- .80	2.70	.62	4.87	1.71	1.58	- .72	2.10	.08	.56	- .87	2.91	1.87	.91	.37	.57	.16	18.55	3.84
DUNN CENTER	1.81	1.45	.47	.01	.74	- .01	*	-1.26	1.32	-1.02	2.58	-1.12	3.00	.67	2.17	.51	.27	-1.13	1.75	.92	*	- .44	.25	- .16	14.36	- 1.58
DUNSEITH ST SANITARIUM	.20	- .33	.16	- .28	.57	- .05	.44	- .40	5.48	3.61	-	-	-	-	1.16	-1.20	.61	-1.06	1.98	1.12	.48	- .02	.34	- .09		
ECKMAN	2.42	2.06	.94	.57	.67	.11	.30	- .61	2.57	.58	5.49	2.51	2.35	- .01	.41	-1.47	.39	-1.11	1.29	.45	.48	- .01	.62	.15	17.93	3.23
EDGELEY EXP FARM R	.52	.03	.28	- .20	.48	- .34	-	-	3.20	.64	2.46	-1.21	6.59	4.02	.88	-1.37	.35	-1.31	2.11	1.09	.16	- .36	.59	.10		
EDMORE 1 W	1.22	.73	.84	.43	.52	- .17	*	-1.26	1.56	- .30	2.21	- .90	1.84	-1.00	.80	-1.43	.63	-1.22	4.30	3.32	.33	- .29	.61	.07	14.96	- 2.02
ELBOWOODS	.78	.45	.38	- .01	.49	- .04	.62	- .39	.99	-1.20	1.67	-2.01	4.67	2.26	*	-1.84	.49	-1.00	1.40	.60	.03	- .37	.18	- .22	11.70	- 3.77
ELLENDALE	1.48	1.02	.35	- .14	.65	- .30	.45	-1.41	2.03	- .58	3.68	.27	5.05	2.40	.71	-2.06	.47	-1.21	2.95	1.89	.35	- .21	.94	.48	19.11	.15
ESPRING	.45	.03	.21	- .19	.20	- .37	*	- .99	2.01	- .13	1.86	-1.65	1.73	- .32	.12	-1.52	.31	- .98	1.00	.23	*	- .43	.28	- .17	7.87	- 6.49
ESMOND R																					-	-	.79	-		
FAIRFIELD 8 N	.89	.45	-	-	.66	- .06	*	-1.22	2.04	- .32	-	-	2.96	.68	1.28	- .30	.57	- .81	2.14	1.30	.05	- .40	.10	- .36		
FARGO WB AIRPORT R//	1.24	.57	.53	- .16	.36	- .65	.02	-2.16	3.54	.65	2.71	-1.34	4.85	1.52	1.19	-1.70	.36	-1.86	2.76	1.07	.79	- .11	1.31	.59	19.76	- 3.58
FESSENDEN	2.39	1.90	.38	- .13	.49	- .26	.65	- .67	1.61	- .67	2.85	- .63	3.03	.46	.72	-1.46	.36	-1.15	3.41	2.35	.13	- .47	.57	.01	16.60	- .72
FLASHER															2.93	-	.75	-	2.37	-	.00	-	.27	-		
FORMAN	.97	.52	.37	- .13	.60	- .20	.07	-1.94	3.76	.81	3.32	- .28	9.08	6.21	.45	-2.30	.67	-1.40	2.89	1.54	.57	.00	1.10	.54	23.86	3.37
FORT YATES R	1.00	.61	.14	- .32	.70	- .11	.73	- .62	3.71	1.55	1.55	-1.92	5.43	3.35	-	-	.68	- .77	3.95	2.96	*	- .45	-	-		
FOXHOLM WILDLIFE REF	.94	.50	.13	- .34	.29	- .43	.16	-1.09	3.00	.87	4.16	1.18	2.82	.89	.97	-1.01	.30	-1.25	4.74	3.86	.04	- .64	.46	- .05	18.01	2.59
FRYBURG																							-	-		
FULLERTON	1.57	.87	.38	- .33	.90	- .18	.58	-1.56	2.45	- .54	2.95	- .96	4.78	1.90	1.04	-1.50	.38	-1.58	2.80	1.47	.38	- .33	1.04	.27	19.25	- 2.45
GACKLE	.43	- .01	-	-	.29	- .56	-	-	3.13	.55	3.98	.51	5.39	2.71	.96	-1.39	.54	-1.04	-	-	.37	- .17	.32	- .13		
GARRISON R	1.91	1.54	.60	.08	.72	- .07	.47	- .69	3.01	.68	2.73	- .69	2.23	- .26	.60	-1.34	.41	-1.05	1.41	.55	.12	- .37	.35	- .13	14.56	- 1.74
GLEN ULLIN R	1.17	-	.65	-	.68	-	1.86	-	1.53	-	.86	-	3.49	-	.50	-	.72	-	1.63	-	.10	-	.23	-	13.42	
GOLVA 1 S S R//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.48	- .79	-	-	.02	- .44	.32	- .15		
GRAFTON STATE SCHOOL	2.28	1.78	.94	.37	.64	- .06	.05	-1.29	1.62	- .40	2.25	-1.00	4.69	1.83	3.19	.67	-	-	5.29	4.15	.67	- .02	1.42	.89		
GRAND FORKS CAA S//	1.08	.55	.57	.01	.80	.02	.15	-1.51	3.94	1.44	2.09	-1.19	3.78	1.00	2.49	- .13	.64	-1.28	2.30	.94	.65	- .14	1.06	.44	19.55	.15
GRAND FORKS UNIVERSITY	1.53	1.00	.66	.10	.94	.18	.07	-1.58	4.61	2.11	2.49	- .78	3.86	1.08	3.54	.92	.69	-1.23	3.08	1.72	.70	- .09	1.28	.66	23.45	4.05
GRANO 8//	3.68	-	1.29	-	.81	-	.18	-	1.80	-	3.77	-	2.53	-	.30	-	.98	-	1.35	-	.46	-	.80	-	17.86	
GRANVILLE	1.30	.82	.23	- .20	.75	.21	.40	- .54	2.13	.10	3.55	.36	3.19	.92	.13	-1.74	.52	-1.04	1.10	.26	.27	- .27	.75	.29	14.32	- .73
GRENORA	.03	- .41	.05	- .40	.02	- .66	*	-1.03	.79	-1.43	2.93	- .03	1.55	- .28	1.06	- .44	.27	- .96	.43	- .36	*	- .55	.33	- .19	7.46	- 8.75
HALLIDAY	1.75	-	.63	-	.67	-	.30	-	1.41	-	2.47	-	1.98	-	1.63	-	.43	-	1.72	-	.06	-	.35	-	13.40	
HANKINSON RR STATION	1.34	.87	.12	- .42	-	-	.19	-1.82	2.24	- .62	3.76	.18	4.27	1.40	.60	-2.15	.61	-1.59	1.76	.39	.81	.16	1.44	.92		
HANNAFORD R	.88	-	.56	-	.77	-	.14	-	3.08	-	2.03	-	4.27	-	-	-	-	-	3.00	-	-	-	-	-		
HANNAH	1.23	.53	-	-	-	-	-	-	2.85	.74	3.53	.12	2.04	- .39	.91	-1.46	-	-	4.32	3.25	.82	.13	-	-		
HANSBORO	1.16	.55	.24	- .26	.30	- .58	.17	-1.08	1.11	- .99	2.12	-1.20	2.55	.01	.39	-1.93	.78	-1.08	1.59	.55	.41	- .13	.61	.07	11.43	- 3.07
HARVEY WATER WORKS	.41	- .07	.18	- .27	.35	- .42	1.27	- .01	1.33	- .85	3.69	.32	2.33	- .07	-	-	.36	-1.07	2.94	1.87	.21	- .37	.16	- .37		
HAYNES 6 NE S															-	-	.38	-	2.54	-	.00	-	-	-		
HAZELTON RR STATION R//	2.18	-	.53	-	.34	-	.86	-	2.61	-	.44	-	5.91	-	1.05	-	.79	-	3.76	-	.15	-	.95	-	19.58	
HETTINGER R	.47	.11	.05	- .38	-	-	1.56	.50	1.71	- .57	1.41	-1.75	-	-	-	-	.57	- .73	2.27	1.56	.00	- .40	-	-		
HILLSBORO	1.08	.57	.61	.06	.97	.21	.12	-1.76	4.25	1.30	2.64	- .78	6.85	4.31	.90	-1.85	.04	-1.13	3.09	1.75	.54	- .22	1.18	.54		
HURDSPISLO S	-	-	-	-	.44	-	-	-	-	-	2.37	-	1.83	-	-	-	.41	-	3.88	-	.32	-	.86	-		
JAMESTOWN CAA R//	1.10	.55	.53	- .06	.80	.00	.25	-1.45	3.70	.83	.99	-2.51	5.99	3.29	.61	-1.94	.64	-1.03	2.81	1.62	.45	- .22	1.97	1.32	20.04	.51
JAMESTOWN STATE HOSP	.84	.39	.27	- .32	.86	- .04	.35	-1.35	2.59	- .18	-	-	6.86	4.26	.43	-2.12	.61	-1.06	2.63	1.34	.36	- .31	.69	.04		
KENMARE	1.07	.72	.28	- .11	.55	- .10	.04	- .88	1.41	- .57	5.20	2.31	1.80	- .40	.69	-1.22	.46	-1.11	2.28	1.32	.18	- .36	.76	.33	14.92	- .07
KENSAL WILDLIFE REFUGE	.60	-	.22	-	.38	-	.44	-	4.55	-	.84	-	3.62	-	1.43	-	.90	-	4.73	-	.33	-	.92	-	18.97	
KRAMER 5 SE S	-	-	-	-	-	-	-	-	3.80	-	-	-	-	-	.08	-	.46	-	1.65	-	.55	-	.55	-		
LA MOURE	.93	-	.54	-	.50	-	.64	-	2.86	-	2.81	-	6.81	-	.09	-	.40	-	1.84	-	.36	-	.56	-	18.34	
LANGDON EXP FARM	2.98	1.47	.46	- .17	.81	.13	.02	-1.21	1.33	- .66	1.67	-1.57	2.08	- .42	.78	-1.69	.82	-1.41	4.95	3.92	.56	- .17	1.05	.42	16.71	- 1.3
LARIMORE	1.13	.53	.83	.38	.82	- .18	.00	-1.80	2.71	- .02	1.93	-1.73	2.88	- .06	2.22	- .49	.56	-1.49	3.50	2.06	-	-	.91	.25		

See reference notes following Station Index

Table 2—Continued

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
LEEDS	1.22	-	.97	-	.78	-	.22	-	2.86	-	3.24	-	1.20	-	.42	-	.50	-	2.85	-	.76	-	.89	-	15.81	
LIFTON	1.13	.79	.14	- .28	.31	- .47	.72	- .58	1.67	- .62	8.46	.19	4.37	2.24	1.29	- .78	.64	- .83	3.45	2.41	.01	- .44	.52	.13	17.71	1.67
LISBON	.67	.08	.77	.18	.50	- .23	.20	-1.73	2.01	- .76	4.36	.46	3.35	.45	.34	-2.56	.42	-1.56	3.26	2.04	.55	- .06	.74	.23	17.19	- 3.50
MADDOCK AGR SCHOOL	2.13	1.71	.42	.02	1.07	.43	.84	- .28	1.30	- .75	2.85	- .54	2.86	.17	-	-	.57	-1.09	3.37	2.39	.63	.12	1.09	.66		
MANDAN EXP STATION R	.75	.38	.41	.02	.33	- .51	1.03	- .25	2.14	- .12	2.92	- .36	4.32	2.01	1.43	- .15	.46	-1.00	2.16	1.26	.11	- .41	.18	- .27	16.26	.62
MANDAN FT LINCOLN PARK	-	-	.36	-	.31	-	1.42	-	1.77	-	2.18	-	4.00	-	1.56	-	.55	-	2.03	-	.09	-	.42	-		
MANNING	1.78	-	-	-	.50	-	-	-	-	-	-	-	-	-	-	-	-	-	1.32	-	.16	-	.78	-		
MARMARTH	1.52	1.10	.59	.18	.57	- .16	.80	- .27	1.22	-1.07	1.16	-1.97	1.69	- .22	.84	- .78	.55	- .71	2.34	1.55	*	- .37	.36	- .04	11.64	- 2.76
MARTIN																					-	-	.51	-		
MAX	1.18	.83	.34	- .11	.60	.06	.45	- .80	1.86	- .34	4.18	.79	1.88	- .56	.56	-1.32	.55	- .64	1.58	.78	.10	- .40	.50	.10	14.08	- 1.81
MAYVILLE	1.72	1.33	.83	.39	.78	.06	.14	-1.41	6.38	3.66	2.28	-1.09	4.94	2.23	2.13	- .42	.43	-1.63	2.74	1.48	.68	- .03	.49	- .03	23.54	4.57
MC CLUSKY	2.08	1.65	.72	.20	-	-	1.63	.39	2.63	.17	3.36	- .10	1.73	- .76	.26	-1.67	.36	-1.01	3.51	2.52	.19	- .36	.78	.26		
MC GREGOR RR STATION R	-	-	.70	-	-	-	.20	-	2.02	-	3.04	-	-	-	.62	-	-	-	1.32	-	.16	-	.78	-		
MC HENRY	1.34	.92	.56	.11	.59	- .10	.33	-1.04	1.94	- .47	2.78	- .69	6.21	3.41	.85	-1.47	.74	- .69	4.40	3.35	.51	- .03	.62	.33	20.97	3.63
MC LEOD 3 R	1.15	.58	.46	- .10	.67	- .11	.12	-1.67	3.93	.62	3.37	- .46	7.20	4.35	.15	-2.55	-	-	3.07	1.69	.70	.07	1.63	1.17		
MC VILLE	1.50	-	.67	-	.19	-	.23	-	1.61	-	2.47	-	6.24	-	.43	-	.70	-	4.29	-	.69	-	.68	-	16.90	
MEDINA 1 W	.88	-	.21	-	.26	-	.55	-	2.02	-	2.71	-	4.67	-	.68	-	.49	-	3.61	-	.22	-	.65	-	17.15	
MEDORA STATE PARK	1.68	.80	.90	.51	.75	- .01	.38	- .77	1.33	- .85	-	-	1.87	- .02	1.30	- .22	-	-	-	-	*	- .48	.35	- .13		
MEDORA TRMNP	1.29	-	.64	-	.58	-	.13	-	.77	-	1.18	-	3.03	-	.79	-	.22	-	2.11	-	.05	-	.28	-	11.07	
MELVILLE R																					-	-	1.07	-		
MINOT CAA R//	1.50	1.13	.84	.41	.82	.21	.52	- .70	4.63	2.47	2.33	- .78	2.37	.32	.14	-1.78	.40	-1.20	.77	- .14	.10	- .56	.87	.51	15.39	- .11
MINOT EXP FARM	1.40	-	.32	-	.41	-	.54	-	2.76	-	3.23	-	2.30	-	.08	-	.40	-	.65	-	.05	-	.37	-	12.53	
MOFFITT RR STATION	.71	-	.14	-	.33	-	.68	-	1.16	-	4.63	-	3.41	-	2.22	-	.95	-	4.25	-	*	-	.57	-	16.07	
MOHALL	.41	.07	-	-	1.46	.77	.06	- .90	2.98	1.00	3.73	.80	2.32	- .13	.42	-1.48	.55	-1.01	1.61	.57	.19	- .35	.54	.12		
MONTPELIER	.34	-	.13	-	.50	-	.40	-	3.04	-	1.82	-	4.12	-	.62	-	.52	-	2.93	-	.41	-	.85	-	15.78	
MOTT R	.82	.83	.44	- .04	.40	- .46	1.44	.22	1.46	- .80	.99	-2.36	2.07	- .06	1.11	- .65	1.05	- .32	1.60	.77	.00	- .46	.32	- .16	11.60	- 3.98
MUNICH 4 SW	1.07	-	.53	-	.63	-	.06	-	1.79	-	1.97	-	2.06	-	2.28	-	.58	-	3.92	-	.52	-	.55	-	16.06	
NAPOLEON 1 SE R	1.14	.73	.48	.07	.16	- .88	.44	-1.07	2.22	- .22	2.95	- .41	5.47	2.96	1.15	-1.05	.61	- .85	4.35	3.26	.17	- .41	.62	.47	20.09	2.80
NEW ENGLAND	1.71	1.25	.70	.21	.52	- .29	.26	- .94	1.55	- .62	.81	-2.35	1.80	- .33	.37	-1.21	.59	- .78	2.22	1.43	.00	- .45	.10	- .30	10.63	- 4.38
NEW ROCKFORD																					-	-	.64	-		
NEW ROCKFORD 8 NW	1.12	-	.41	-	.75	-	.55	-	1.41	-	2.68	-	2.45	-	1.22	-	.58	-	3.96	-	.53	-	.56	-	16.23	
NEW SALEM 1 S	1.46	1.04	.46	.02	.43	- .27	1.76	.64	4.62	2.22	1.53	-1.92	3.45	1.26	1.26	- .45	.54	- .77	1.61	.76	.12	- .36	.39	- .12	17.70	2.07
OAKES R	.47	.00	.82	- .14	.57	- .23	.41	-1.46	2.86	.15	3.42	- .22	3.17	.32	-	-	.51	-1.25	1.93	.62	.45	- .11	.74	.24		
OMEMEE 3 SE R	.88	-	-	-	-	-	-	-	-	-	2.63	-	-	-	.27	-	-	-	1.94	-	-	-	-	-		
PARK RIVER	.80	.11	.36	- .06	.60	- .06	.03	-1.29	1.89	- .05	2.52	- .74	3.54	.83	1.65	- .45	.62	-1.53	5.12	3.94	.54	- .09	1.01	.50	18.68	1.21
PARSHALL	1.20	.88	-	-	.37	- .21	.13	- .94	2.35	.18	3.86	.37	3.94	1.72	-	-	1.18	- .31	1.17	.42	.13	- .26	.50	.09		
PEMBINA CAA R//	.84	.01	.37	- .25	.67	- .13	.34	- .92	2.76	.59	1.59	-1.60	4.65	2.24	1.68	- .61	1.18	-1.00	5.66	4.66	.92	.17	.68	.06	21.36	3.22
PETERSBURG	-	-	.63	.13	.81	.18	.12	-1.27	1.77	- .67	3.97	.47	4.68	1.92	1.02	-1.34	.52	-1.45	3.90	2.73	.37	- .27	1.23	.75		
PETTIBONE R	.43	.05	.44	.05	.39	- .24	.69	- .47	2.68	.63	3.37	.26	4.10	1.36	2.10	- .05	.81	- .53	4.45	3.46	.25	- .28	.63	.19	20.55	4.43
PORTAL	.20	- .20	.58	.20	.59	- .02	.03	- .91	.87	-1.20	4.96	1.97	2.76	.69	.05	-1.01	.63	- .63	2.36	1.52	.21	- .31	.90	.45	15.04	.25
POWERS LAKE	.64	.12	.33	- .12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PRETTY ROCK	1.80	-	1.10	-	.13	-	2.41	-	2.04	-	.58	-	2.78	-	4.41	-	.88	-	2.36	-	.07	-	.34	-	18.92	
RAUB R//	-	-	-	-	.76	-	.56	-	2.51	-	2.92	-	1.89	-	.63	-	.61	-	1.63	-	.10	-	-	-		
REEDER 14 W															-	-	.65	-	1.75	-	.02	-	*	-		
RICHARDTON ABBEY R	2.12	1.74	.80	.39	.66	- .06	.58	- .64	2.20	- .26	1.13	-2.34	3.76	1.30	.77	-1 07	.12	-1.20	1.63	.84	.06	- .46	.53	.11	14.36	- 1.65
RIVERDALE R	1.87	-	.83	-	.84	-	.50	-	1.81	-	3.10	-	2.41	-	.18	-	.46	-	1.25	-	.08	-	.30	-	13.14	
ROLETTE R																					-	-	.35	-		
ROLLA	1.33	.80	.34	- .13	.78	- .12	.41	- .80	1.66	- .46	2.04	-1.36	2.90	- .12	.88	-1.61	.65	-1.10	2.15	1.16	.61	.06	.66	.19	14.33	- 3.23
RUGBY	2.46	-	.26	- .18	.56	- .13	-	-	3.01	1.04	3.04	- .06	1.46	-1.22	.58	-1.91	.42	-1.26	2.86	1.97	.57	.15	.89	.42		
RYDER	1.12	.79	.28	- .42	.64	.10	.40	- .71	3.02	.92	1.90	-1.21	2.25	.02	.85	1.72	.35	-1.17	-	-	.04	- .49	.25	- .21		
SANISH	-	-	.85	- .10	.43	- .15	.07	-1.05	1.51	- .14	1.95	-1.42	2.88	.66	.50	-1.10	.34	-1.00	1.86	1.09	.08	- .45	.31	- .14		
SARLES R//	1.68	-	-	-	-	-	.51	-	4.16	-	3.07	-	-	-	-	-	-	-	-	-	.61	-	.94	-		
SEARING R//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SELFRIDGE 11 W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.39	- .44	.44	-1.04	2.06	1.14	*	- .46	.23	- .17		
SHARON	1.18	.71	.67	.18	.86	.34	.18	-1.29	5.56	2.82	2.57	-1.04	5.19	2.50	1.48	- .89	1.29	- .76	3.87	2.58	.85	.14	.95	.47	24.77	5.77
SHERWOOD	.22	-	.75	-	1.55	-	.10	-	2.19	-	4.83	-	1.85	-	.67	-	.48	-	1.79	-	.29	-	.54	-	15.56	
SHEYENNE R																					-	-	.94	-		
STANLEY	-	-	.14	- .27	.40	- .24	*	-1.17	1.18	-1.00	3.60	.20	2.00	- .13	.83	-1.07	.99	- .36	1.30	.46	.10	- .44	.47	.02		
STERLE	1.44	1.04	.38	.01	.39	- .33	.77	- .41	3.09	.57	2.93	- .63	2.80	- .02	2.44	.26	.60	- .73	4.97	3.85	.10	- .37	.80	.31	20.92	3.55
TAGUS	.78	.42	.48	.06	.25	- .37	.15	-1.00	1.21	- .78	3.64	.59	2.59	.54	.30	-1.48	.41	- .99	1.13	.35	.16	- .37	.50	.08	11.60	- 2.95
TIOGA	.16	- .27	-	-	-	-	.00	- .96	1.29	- .77	2.89	- .17	1.72	- .31	.16	-1.57	.50	- .78	1.33	.52	.10	- .38	.80	.36		
TOWNER	1.14	.88	.05	- .43	1.17	.39	.72	- .28	1.87	- .34	2.69	- .42	1.17	-1.24	2.20	.22	.34	-1.38	2.20	1.31	1.18	.66	.72	.23	15.46	- .59
TROTTERS R	-	-	.20	- .18	.57	- .20	.16	- .89	2.29	.06	.18	-3.15	2.06	.30	.02	-1.52	1.11	- .12	1.65	1.05	.03	- .42	.14	- .26		
TROTTERS GEN STORE																					-	-				
TURTLE LAKE	1.70	1.35	-	-	.83	.02	2.03	.68	2.77	.50	2.86	- .61	3.28	.73	.50	-1.48	.46	- .79	1.46	.62	.30	- .12				
TUTTLE 8 SW	1.28	.65	.78	.37	.30	- .43	.98	- .10	2.94	.50	2.24	-1.03	4.51	1.88	1.31	- .52	.74	- .66	4.63	3.65	.26	- .24	.71	.31	20.58	4.56
UNDERWOOD 12 W	1.36	1.05	-	-	.80	- .14	.50	- .57	3.07	.95	3.16	- .24	3.08	.66	.56	-1.35	.52	- .96	1.44	.61	.14	- .31	.53	.10		
UPHAM WILDLIFE REFUGE	1.47	-	.46	-	.86	-	.37	-	1.84	-	5.98	-	2.53	-	.34	-	.42	-	1.77	-	.76	-	.65	-	17.45	
VALLEY CITY	.74	.20	.55	- .04	.90	.11	.20	-1.53	2.85	.07	1.38	-2.17	9.99	7.27	.85	-1.69	.38	-1.41	2.78	1.46	.64	- .04	.73	.15	21.99	2.38
VAN HOOK	.54	-	.14	-	.30	-	.03	-	1.76	-	2.11	-	2.93	-	.19	-	.29	-	1.12	-	.08	-	.24	-	9.73	
VELVA	1.68	1.27	.46	- .04	.83	.24	.52	- .57	2.14	- .04	3.77	.84	1.52	- .80	.44	-1.78	.49	-1.07	1.07	.12	.13	- .51	.63	.16	13.69	- 2.18
VERONA	.85	-	-	-	.15	-	1.55	-	1.20	-	3.15	-	4.20	-	.10	-	.45	-	1.70	-	.50	-	.53	-		
WAHPETON POWER PLANT R	-	-	.41	-	.57	-	.11	-	3.14	-	3.38	-	10.29	-	.84	-	.64	-	2.24	-	.77	-	1.58	-	23.97	
WAHPETON STATE SCHOOL	1.27	.82	.34	- .13	.32	- .40	.25	-1.83	1.74	- .86	3.79	.21	9.91	6.96	1.00	-1.87	.69	-1.53	2.07	.63	.70	.01	1.49	.89	23.57	2.90
WALHALLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.28	-		
WASHBURN	1.15	.83	.41	.02	.58	- .11	1.34	.27	2.38	.22	2.33	-1.06	1.64	- .98	.33	-1.30	.27	-1.00	2.07	1.15	.11	- .33	.26	- .17	12.88	- 2.46
WATFORD CITY	1.00	.53	.44	.01	.77	.08	.09	-1.08	1.54	- .45	1.31	-1.94	2.42	.42	.90	- .70	.12	-1.19	2.08	1.21	.06	- .43	.55	.02	11.28	- 3.42
WESTHOPE	.59	.26	.71	.39	.85	.26	.24	- .63	.85	1.03	4.99	1.98	2.89	.67	.78	-1.23	.43	-1.02	1.56	.76	.49	- .06	.74	.32	15.22	.67
WILDROSE	.49	.00	.38	- .07	.58	- .04	.16	- .80	2.09	.19	4.24	1.14	1.72	- .26	.35	-1.46	.47	- .72	1.69	.89	.16	- .34	.81	.29	13.15	- 1.18
WILLISTON WB CITY R	.57	.03	.38	- .02	.73	.04	.29	- .91	1.68	- .38	1.53	-1.90	1.71	- .18	.20	-1.27	.36	- .73	1.33	.47	*	- .58	.60	.02	8.39	- 5.41
WILLOW CITY	1.04	.49	.32	- .22	.53	- .21	.73	- .23	2.16	.25	3.39	.34	-	-	.13	-1.91	.74	- .91	2.00	1.21	.64	.08	.45	- .15		
WILTON RR STATION	.01	.57	.45	.06	.35	- .42	1.11	- .01	2.32	- .07	2.80	- .48	2.57	.26	1.02	.21	.50	- .75	2.46	1.51	.15	- .33	.40	- .05	15.94	.50
WISHEK	.76	.37	.21	- .21	.71	- .10	.51	- .89	2.73	.32	-	-	4.31	1.71	1.34	- .85	.55	- .90	3.50	3.50	-	-	.43	.00		

See reference notes following Station Index

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
ALMONT 7 5W	107	8-7	-27	1-21	4-15 (24°)	4-18 (25°)	5-23 (30°)	9-13 (29°)	9-14 (27°)	10-21 (22°)	189	149	113
AMENIA	-	-	-	-	-	-	-	9-14 (32°)	9-28 (27°)	10-26 (22°)	-	-	-
AMIDON	108	8-7	-32	1-25	4-23 (24°)	5-23 (28°)	5-24 (29°)	9-12 (31°)	9-13 (22°)	9-13 (22°)	143	113	111
ARVILLA STATE PARK	102	8-8	-35	1-26	5-24 (22°)	5-27 (28°)	6- 7 (29°)	9-15 (26°)	9-15 (28°)	9-28 (22°)	127	111	100
ASHLEY	106	7-4	-	-	4-18 (18°)	5-24 (28°)	5-24 (28°)	9-13 (31°)	9-14 (23°)	9-14 (23°)	149	113	112
BALDHILL DAM	-	-	-	-	4-25 (18°)	5-25 (26°)	5-27 (31°)	-	-	-	-	-	-
BEACH	108	8-8	-34	1-21+	4-15 (21°)	5-23 (28°)	5-24 (30°)	9-12 (32°)	9-13 (27°)	10-19 (24°)	187	113	111
BELCOURT INDIAN RES	101	8-7	-44	1-20	5-24 (19°)	5-24 (19°)	5-27 (29°)	8-28 (32°)	9-14 (28°)	10- 4 (24°)	133	113	93
BELFIELD	108	8-7	-41	1-21	4-23 (22°)	5-24 (28°)	5-24 (28°)	9-13 (18°)	9-13 (18°)	9-13 (18°)	143	112	112
BISBEE	102	8-6+	-39	1-20	4-24 (24°)	5-24 (26°)	5-24 (28°)	9-14 (27°)	9-14 (27°)	10- 9 (19°)	188	113	113
BISMARCK WB CITY	105	7-3	-33	1-22	4-18 (19°)	4-18 (19°)	4-24 (30°)	9-14 (26°)	9-14 (28°)	10-21 (24°)	188	149	143
BISMARCK WB AIRPORT	107	7-2	-33	1-21	4-18 (19°)	4-18 (19°)	5-24 (30°)	9-13 (32°)	9-14 (26°)	9-28 (24°)	183	149	112
BOTTINEAU	104	8-7+	-37	1-20+	5-24 (24°)	5-24 (24°)	5-24 (24°)	9- 1 (32°)	9-14 (28°)	9-28 (24°)	127	113	100
BOTTINEAU STATE PARK	99	8-7	-49	1-20	-	5-24 (25°)	5-27 (31°)	9-14 (24°)	9-14 (24°)	9-14 (24°)	-	113	110
BOWBELLS RR STATION	106	8-8	-35	1-20	5-23 (23°)	5-24 (27°)	5-24 (27°)	9-13 (30°)	9-14 (27°)	10- 7 (21°)	137	113	112
BOWMAN COURT HOUSE	108	8-7	-35	1-21	4- 3 (23°)	4-18 (25°)	5-23 (32°)	9-13 (22°)	9-13 (22°)	9-13 (22°)	163	148	113
BUTTE	-	-	-	-	-	-	-	-	-	-	-	-	-
CARRINGTON	103	7-3	-30	1-21	4-24 (21°)	4-25 (26°)	5-27 (31°)	8-29 (32°)	9-14 (24°)	9-14 (24°)	143	142	94
CARSON 2 SW	108	8-7	-30	1-21	4-18 (20°)	4-23 (28°)	5-24 (31°)	9-12 (32°)	9-13 (23°)	9-13 (23°)	148	143	111
CAVALIER POWER PLANT	103	8-8	-37	1-20	4-24 (22°)	5-24 (25°)	6- 7 (32°)	9-15 (29°)	9-28 (24°)	9-28 (24°)	157	127	100
CENTER	106	8-7	-39	1-21	4-24 (24°)	4-24 (24°)	5-23 (29°)	9- 1 (32°)	9-14 (19°)	9-14 (19°)	143	143	101
COOPERSTOWN	99	8-7	-29	1-21	4-24 (21°)	5-24 (25°)	5-27 (32°)	9-14 (27°)	9-14 (27°)	9-28 (21°)	157	113	110
CROSBY	107	8-8	-36	1-20+	4-18 (23°)	5-23 (26°)	5-24 (29°)	9-13 (30°)	9-14 (25°)	10- 9 (22°)	174	114	112
DEVILS LAKE WB CITY	103	8-7	-31	1-21	4-24 (23°)	4-24 (23°)	5-24 (29°)	9-14 (29°)	9-28 (28°)	10-20 (24°)	179	157	113
DICKINSON CAA	108	8-7	-34	1-25	4-18 (23°)	5-23 (27°)	5-23 (27°)	9-12 (26°)	9-12 (26°)	9-13 (20°)	148	112	112
DICKINSON EXP STATION	109	8-8	-41	1-21	4-18 (21°)	5-24 (28°)	5-24 (28°)	9- 1 (32°)	9-13 (21°)	9-13 (21°)	148	112	100
DRAKE	105	8-8	-34	1-21	4-18 (24°)	4-24 (26°)	5-24 (31°)	9-14 (29°)	10- 9 (27°)	10-21 (24°)	186	168	113
DUNN CENTER	110	8-8	-45	1-21	4-18 (17°)	5-24 (28°)	6- 4 (32°)	9-13 (19°)	9-13 (19°)	9-13 (19°)	148	112	101
DUNSEITH ST SANITARIUM	102	8-7	-38	1-20	5-24 (21°)	5-24 (21°)	5-24 (21°)	9-14 (29°)	9-28 (21°)	9-28 (21°)	127	127	113
ECKMAN	102	8-8	-43	1-20+	4-18 (24°)	5-24 (26°)	5-24 (26°)	9- 7 (31°)	9-14 (22°)	9-14 (22°)	149	113	106
EDGELEY EXP FARM	109	7-3	-27	2- 4	4-24 (19°)	5-24 (27°)	5-24 (27°)	9-14 (28°)	9-14 (28°)	9-28 (24°)	157	113	113
EDMORE 1 W	101	8-7	-36	1-20	4-24 (24°)	5-24 (25°)	5-27 (32°)	9-14 (26°)	9-14 (26°)	9-28 (16°)	157	113	110
ELBOWOODS	109	8-7	-43	1-21	4-18 (21°)	5-23 (27°)	5-23 (27°)	9- 1 (29°)	9-13 (27°)	9-14 (20°)	149	113	101
ELLENDALE NORMAL SCH	105	7-3	-24	1-26	4-24 (16°)	5-24 (28°)	5-24 (28°)	9-14 (30°)	9-28 (26°)	10- 9 (24°)	168	127	113
EPPING	110	8-6	-31	1-21	5-23 (22°)	5-23 (22°)	5-23 (22°)	9-13 (23°)	9-13 (23°)	9-13 (23°)	113	113	113
FARGO WB AIRPORT	101	8-7	-25	1-21	4-24 (20°)	5-24 (28°)	5-24 (28°)	9-14 (32°)	9-28 (26°)	10- 9 (22°)	168	127	113
FESSENDEN	101	8-7	-31	1-21	4-24 (24°)	4-24 (24°)	5-24 (32°)	9-14 (29°)	9-28 (26°)	10-25 (24°)	184	157	113
FORMAN	106	7-3	-27	1-21	4-23 (20°)	5-24 (28°)	5-24 (28°)	9-14 (28°)	9-14 (28°)	9-25 (24°)	155	113	113
FORT YATES	106	7-2	-34	1-21	4-18 (16°)	4-18 (16°)	5-24 (30°)	9-13 (30°)	9-14 (24°)	9-14 (24°)	149	149	112
FOXHOLM WILDLIFE REF	110	8-7	-38	1-21	4-18 (18°)	5-23 (28°)	5-24 (31°)	9-14 (24°)	9-14 (24°)	9-14 (24°)	149	114	113
FULLERTON	111	7-3	-27	1-21	4-24 (20°)	5-24 (28°)	5-24 (28°)	9-14 (29°)	9-28 (24°)	9-28 (24°)	157	127	113
GACKLE	99	7-2+	-27	1-21	4-27 (22°)	-	-	9-14 (30°)	9-28 (23°)	9-28 (23°)	154	-	-
GARRISON	108	8-7	-34	1-21	4-18 (21°)	4-24 (28°)	5-23 (29°)	9-14 (26°)	9-14 (26°)	10-24 (20°)	185	143	114
GRAFTON STATE SCHOOL	102	8-8	-33	1-20	5-24 (22°)	5-24 (22°)	6- 7 (32°)	9-14 (31°)	9-15 (28°)	9-28 (22°)	127	114	99
GRAND FORKS CAA	101	8-8	-28	1-21	4-24 (24°)	5-24 (28°)	5-27 (32°)	9-14 (30°)	9-28 (23°)	9-28 (23°)	157	127	110
GRAND FORKS UNIVERSITY	101	8-8	-29	1-21	4-18 (22°)	4-24 (25°)	5-24 (30°)	9-23 (31°)	9-27 (26°)	9-28 (24°)	163	156	122
GRANVILLE	106	8-7	-38	1-20+	4-18 (23°)	5-22 (27°)	5-23 (29°)	9-14 (25°)	9-28 (23°)	9-28 (23°)	163	129	114
GRENORA	106	8-7	-32	1-20	5-23 (24°)	5-23 (24°)	5-23 (24°)	-	-	-	-	-	-
HANKINSON RR STATION	107	7-4	-25	1-22	4-24 (15°)	4-24 (15°)	4-24 (15°)	9-28 (26°)	9-28 (26°)	10-31 (18°)	190	157	157
HANNAH	100	8-7	-41	1-22	-	5-24 (25°)	5-25 (32°)	-	-	9-28 (24°)	-	-	-
HANSBORO	102	8-7	-40	1-20	4-24 (23°)	5-24 (25°)	5-27 (32°)	9-14 (30°)	9-15 (27°)	9-28 (24°)	157	114	110
HETTINGER	-	-	-36	1-21	4-23 (24°)	4-26 (28°)	5-25 (30°)	9-12 (32°)	9-13 (21°)	9-13 (21°)	143	140	110
HILLSHORO	100	8-8	-26	2- 2+	4-18 (22°)	5-24 (28°)	5-24 (28°)	9-28 (25°)	9-28 (25°)	10- 9 (24°)	174	127	127
JAMESTOWN CAA	104	7-2	-26	1-21	4-24 (20°)	4-24 (20°)	5-25 (31°)	9-14 (27°)	9-14 (27°)	9-28 (23°)	157	143	112
JAMESTOWN STATE HOSP	104	7-2	-26	2- 4	4-24 (21°)	4-24 (21°)	5-24 (29°)	9-14 (28°)	9-14 (28°)	10- 9 (21°)	168	143	113
KENMARE	105	8-8	-34	1-21	4-18 (24°)	5-23 (27°)	5-24 (32°)	9-13 (31°)	10- 9 (28°)	-	-	139	112
KENSAL WILDLIFE REFUGE	100	8-8	-31	1-21	5-24 (24°)	5-24 (24°)	5-25 (29°)	9-14 (25°)	9-14 (25°)	9-28 (18°)	127	113	112
LA MOURE	105	7-3+	-29	1-21	4-23 (20°)	5-24 (26°)	5-24 (26°)	9-14 (28°)	9-14 (28°)	9-28 (22°)	158	113	113
LANGDON EXP FARM	102	8-7	-39	1-20	5-24 (24°)	5-24 (24°)	6- 7 (32°)	9-14 (28°)	9-14 (28°)	9-28 (21°)	127	113	99
LARIMORE	101	8-8	-27	1-21	4-24 (21°)	5-24 (28°)	5-24 (28°)	9-15 (31°)	9-28 (25°)	10-26 (22°)	185	127	114
LEEDS	105	8-7	-35	1-20	4-24 (24°)	5-24 (27°)	5-24 (27°)	9-14 (28°)	9-14 (28°)	10-20 (24°)	179	113	113
LINTON	104	8-7	-34	1-21	4-18 (18°)	5-24 (28°)	5-24 (28°)	9-13 (32°)	9-14 (23°)	9-14 (23°)	149	113	112
LISBON	103	8-24	-27	1-26+	4-24 (17°)	5-24 (26°)	6- 7 (32°)	9- 1 (32°)	9-23 (26°)	9-28 (23°)	157	122	86
MADDOCK	-	-	-35	1-21	4-24 (24°)	5-24 (25°)	5-24 (25°)	-	-	-	-	-	-
MANDAN EXP STATION	104	7-3+	-33	1-21	4-18 (20°)	4-24 (28°)	5-24 (32°)	9-13 (30°)	9-14 (25°)	10-21 (24°)	186	143	112
MANDAN FT LINCOLN PARK	108	7-2	-33	1-21	4-18 (21°)	5-24 (28°)	5-24 (28°)	9-13 (31°)	9-14 (26°)	10-21 (24°)	186	113	112
MARMARTH	110	8-7	-43	1-21+	4-24 (23°)	4-24 (23°)	5-24 (31°)	9-13 (20°)	9-13 (20°)	9-13 (20°)	142	142	112
MAX	104	8-8	-33	1-22	4-18 (23°)	5-23 (27°)	5-24 (30°)	9-14 (24°)	9-14 (24°)	9-14 (24°)	149	114	113
MAYVILLE	100	8-9	-29	2- 4	5-24 (24°)	5-24 (24°)	5-24 (24°)	9-23 (32°)	9-28 (25°)	10- 9 (24°)	138	127	122
MC CLUSKY	105	8-8	-31	1-21	4-24 (17°)	4-24 (17°)	5-24 (30°)	9-14 (27°)	9-14 (27°)	10-20 (23°)	179	144	114
MC HENRY 5 N	100	8-7	-30	1-21	5-24 (24°)	5-24 (24°)	5-27 (31°)	9-14 (26°)	9-14 (26°)	10- 9 (23°)	138	113	110
MC LEOD 3 E	104	7-3	-27	2-11	4-24 (19°)	4-24 (19°)	5-24 (29°)	-	-	-	-	-	-
MEDORA STATE	112	8-8	-45	1-21	4-17 (20°)	4-26 (26°)	5-24 (30°)	-	9-13 (15°)	9-13 (15°)	149	140	-
MEDORA T R N M P	110	8-7	-46	1-21	4-26 (23°)	5- 2 (27°)	5-24 (32°)	8-30 (32°)	9-13 (13°)	9-13 (13°)	140	134	98
MINOT CAA	107	8-7	-32	1-20	4-15 (22°)	4-24 (28°)	5-23 (29°)	9-14 (30°)	10- 9 (28°)	10-20 (21°)	188	188	114
MINOT EXP FARM	106	8-7	-33	1-21	4-15 (24°)	5-23 (28°)	5-24 (31°)	9-14 (27°)	9-14 (27°)	10-20 (20°)	188	114	113
MOHALL	107	8-7	-39	1-20	4-17 (24°)	5-24 (28°)	5-24 (28°)	9- 7 (32°)	9-14 (26°)	10-19 (24°)	185	113	106
MONTPELIER	-	-	-	-	-	-	-	-	-	-	-	-	-
MOTT RR STATION	108	8-7	-39	1-21	4-18 (19°)	4-22 (27°)	5-24 (29°)	9- 1 (31°)	9-13 (22°)	9-13 (22°)	148	144	100
MUNICH 4 SW	101	8-7	-34	1-20+	4-24 (24°)	5-24 (26°)	5-25 (29°)	9-14 (25°)	9-14 (25°)	10- 9 (19°)	168	113	112
NAPOLEON 2 SE	101	7-2	-32	1-21	4-24 (24°)	4-24 (24°)	5-24 (30°)	9-14 (26°)	9-14 (26°)	9-28 (23°)	157	143	113
NEW ENGLAND	108	8-7	-37	1-21	4-18 (19°)	6- 4 (27°)	6- 4 (27°)	9-13 (20°)	9-13 (20°)	9-13 (20°)	148	101	101
NEW SALEM	107	8-7	-29	1-21	4-18 (24°)	4-18 (24°)	5-23 (31°)	9-13 (26°)	9-13 (26°)	10-20 (24°)	185	148	113
OAKES WATER WORKS	105	7-4	-29	1-26+	4-24 (20°)	4-24 (20°)	5-24 (30°)	9-14 (30°)	9-28 (25°)	10- 9 (22°)	168	157	113
PARK RIVER	103	8-8	-31	1-20	4-24 (22°)	5-24 (28°)	6- 7 (32°)	9-28 (26°)	9-28 (26°)	10-24 (20°)	183	127	113
PARSHALL	107	8-7	-33	12-14	4-18 (22°)	5-23 (26°)	5-24 (31°)	8-30 (30°)	9-14 (25°)	9-28 (20°)	163	114	98
PEMBINA CAA	100	8-7+	-36	1-20	5-24 (21°)	5-24 (21°)	6- 7 (30°)	9-15 (30°)	9-28 (20°)	9-28 (20°)	127	127	100
PETERSBURG	99	8-8	-	-	4-24 (22°)	4-24 (22°)	5-24 (32°)	9-14 (28°)	9-14 (28°)	10-20 (23°)	179	143	113
PETTIBONE	104	7-2	-31	1-21	4-25 (22°)	5-24 (27°)	5-24 (27°)	9-14 (27°)	9-14 (27°)	10- 9 (24°)	167	113	113
PORTAL	103	8-8	-45	1-20	5-23 (23°)	5-23 (23°)	5-24 (29°)	9-13 (32°)	9-27 (28°)	10-19 (22°)	149	127	112
POWERS LAKE	-	-	-35	1-20	-	-	-	-	-	-	-	-	-
RICHARDTON ABBEY	106	8-7	-31	1-21	4-18 (22°)	5-23 (27°)	5-24 (30°)	9-13 (23°)	9-13 (23°)	9-13 (23°)	148	113	112
RIVERDALE	102	8-8	-30	1-21	-	-	5-23 (29°)	9-14 (28°)	9-14 (28°)	10-20 (24°)	-	-	114
ROLLA	101	8-7	-39	1-20	4-24 (24°)	5-24 (27°)	5-24 (27°)	9-14 (31°)	10- 7 (28°)	10- 9 (23°)	168	136	113
RUGBY 1 N	104	8-7	-37	1-20+	-	4-24 (25°)	5-24 (30°)	9-14 (26°)	9-14 (26°)	10-20 (24°)	-	143	113

See reference notes following Station Index.

TEMPERATURE EXTREMES AND FREEZE DATA

Table 3—Continued.

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
SANISH	111	8-8	-36	1-22	4-18 (20°)	5-23 (28°)	5-24 (29°)	9- 1 (29°)	9-14 (20°)	9-14 (20°)	149	114	100
SHARON	98	8-8	-27	1-19	4-24 (21°)	5-24 (27°)	5-24 (27°)	9-14 (30°)	9-28 (24°)	9-28 (24°)	157	127	113
STANLEY	110	8-7	-37	1-20	5-23 (22°)	5-24 (26°)	5-27 (32°)	9-12 (32°)	9-13 (28°)	9-14 (22°)	114	112	108
STEELE	102	8-7	-33	1-21	4-25 (24°)	5-24 (28°)	5-24 (28°)	9-14 (25°)	9-14 (25°)	9-28 (21°)	156	113	113
TOWNER	104	8-7	-43	1-20	4-17 (24°)	5-24 (27°)	5-24 (27°)	9-14 (23°)	9-14 (23°)	9-14 (23°)	150	113	113
TURTLE LAKE	105	8-7	-36	1-21	4-18 (22°)	5-23 (28°)	5-23 (28°)	9- 5 (32°)	9-13 (20°)	10-21 (23°)	186	113	105
UNDERWOOD 12 W	106	8-6	-43	1-21	4-18 (19°)	4-18 (19°)	5-23 (31°)	9-15 (25°)	9-15 (25°)	9-28 (20°)	163	150	115
UPHAM WILDLIFE REFUGE	105	8-7	-45	1-20	4-18 (21°)	5-24 (25°)	5-24 (25°)	9- 1 (31°)	9-14 (21°)	9-14 (21°)	149	113	100
VALLEY CITY	101	7-2	-25	2- 4	4-24 (21°)	4-24 (21°)	5-25 (32°)	9-14 (29°)	9-28 (22°)	9-28 (22°)	157	157	112
VAN HOOK	110	8-7	-37	1-21	5-23 (24°)	5-23 (24°)	5-23 (24°)	9-13 (31°)	9-14 (23°)	9-14 (23°)	114	114	113
VELVA	106	8-7	-38	1-21	4-18 (22°)	4-24 (28°)	5-24 (31°)	9-14 (28°)	9-14 (28°)	10- 9 (24°)	174	143	113
WAHPETON STATE SCHOOL	104	7-3	-25	2- 4	4-24 (20°)	4-24 (20°)	5-24 (31°)	9-14 (32°)	9-28 (22°)	9-28 (22°)	157	157	113
WASHBURN	105	8-7	-34	1-21	4-18 (19°)	4-18 (19°)	5-23 (31°)	9-28 (27°)	9-28 (27°)	10-21 (24°)	186	163	128
WATFORD CITY	111	8-7	-34	1-21	4-18 (24°)	5-23 (28°)	5-23 (26°)	9-13 (25°)	9-13 (25°)	10-20 (21°)	185	113	113
WESTHOPE	106	8-7	-42	1-20	4-17 (24°)	5-24 (28°)	5-24 (28°)	9-14 (26°)	9-14 (26°)	10- 9 (20°)	175	113	113
WILLISTON WB CITY	108	8-7	-31	1-21	4-14 (24°)	5-23 (28°)	5-23 (28°)	9-12 (32°)	9-13 (26°)	10-19 (23°)	188	113	112
WILLOW CITY	103	8-7	-44	1-20	4-18 (23°)	5-24 (28°)	5-24 (28°)	9- 1 (31°)	9-14 (27°)	9-28 (19°)	163	113	100
WILTON RR STATION	104	8-8	-31	1-22	4-18 (20°)	5-23 (28°)	5-24 (30°)	9-14 (26°)	9-14 (26°)	10- 9 (24°)	174	114	113
WISHEK	104	7-4	-32	12-14	4-18 (12°)	5-24 (28°)	5-24 (28°)	9- 1 (30°)	9-14 (19°)	9-14 (19°)	149	113	100

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Departure fr. normal
DICKINSON EXP STATION ‡	EVAP				4.29B	6.00	6.88	7.96	7.68	4.82					
	DEP				.80	.39	.79	- .01	.43	- .16					
	WIND				3740	4063	3782	3595	3355	3475					
MANDAN EXP STATION ‡	EVAP				4.45	5.09	6.42	7.07	6.80	4.56					
	DEP				.48	.03	- .03	- .26	.44	.47					
	WIND				3793	3857	3166	3352	*	5641					
RIVERDALE	EVAP							11.24B	11.79	6.93					
	DEP														
	WIND							-	4322	3947					

‡ "8-foot sunken pan".

REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by foot note following Table 4.

The four digit identification numbers in the Index are assigned on a state basis. There will be no duplication of numbers within a state.

Delayed data and corrections will be carried only in the June and December issues of Climatological Data.

-	No record.
+	Also later dates or months.
//	Gage is equipped with a windshield.
B	Adjusted to full month.
E	Water equivalent of snowfall wholly or partially estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	1 to 10 days' record missing; see monthly Climatological Data for detailed daily record.
P	Less than one-half day.
R	Station equipped with a recording gage only.
T	Trace, an amount too small to measure.
V	Includes total for previous month.

The subscription price for this bulletin is 15 cents per copy or $1.50 a year. (Yearly subscription includes the annual summary). Correspondence regarding subscriptions should be addressed to Weather Records Processing Center, 1300 U. S. Court House, Chicago 4, Illinois).

STATION INDEX

Station	Index No.	County	Drainage† @	Latitude	Longitude	Elevation	Years of record: Temp.	Years of record: Precip.	Years of record: Evap.	Opened or closed during yr.: Month opened	Opened or closed during yr.: Month closed	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 06			2				2
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8				2
ALMONT 7 SW	0136	MORTON	4	46 43	101 38	2300	7	7				1 2 3
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 48			24				2
AMENIA	0186	CASS	11	47 00	87 13	860				AUG		1 2 3
AMIDON	0209	SLOPE	1	46 30	103 18	2808	28	28				1 2 3
ANVILLA STATE PARK	0369	GRAND FORKS	10	47 56	97 30	860	6	6				1 2 3
ASHLEY	0382	MC INTOSH	8	46 02	98 22	2025	54	54				1 2 3
BALDHILL DAM	0450	HARMES	11	47 02	98 05	1300	2	2				1 2 3
† BALFOUR	0492	MC HENRY	12	47 57	100 32	1615		8				2
BEACH	0580	GOLDEN VALLEY	7	46 55	104 01	2814						1 2 3
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	88 45	1860	5	5				1 2 3
BELFIELD	0639	STARK	4	46 52	103 11	2592	32	32				1 2 3
BRULA8	0768	MERCER	8	47 16	101 47	1780		35				2
BISBEE	0786	TOWNER	2	48 37	88 22	1600	47	47				1 2 3
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1670	75	75				1 2 3
BISMARCK WB AIRPORT	0815	BURLEIGH	8	46 46	100 45	1650	10	10				1 2 3
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1838	58	58				1 2 3
BOTTINEAU STATE PARK	0846	BOTTINEAU	12	48 56	100 22	2160	8	6		DEC		1 2 3
BOWBELLS RR STATION	0861	BURKE	12	48 48	102 15	1958	24	24				1 2 3
BOWMAN COURT HOUSE	0885	BOWMAN	3	46 11	103 23	2872	35	35				1 2 3
BREIEN	1052	MORTON	1	46 24	100 56	1719						2
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	25	25				1 2 3
CARRINGTON	1360	FOSTER	5	47 27	98 08	1578	52	52				1 2 3
CARSON	1365	GRANT	4	46 25	101 34	2300				SEPT		2
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	38	38				1 2 3
CAVALIER POWER PLANT	1435	PEMBINA	3	48 48	97 38	894	14	42				1 2 3
CENTER	1456	OLIVER	8	47 07	101 18	2100	12	12				1 2 3
COGSWELL 6 W	1525	SARGENT	5	46 07	97 55	1291		5		MAY		2
COLGATE	1686	STEELE	10	47 14	97 38	1180		16				2
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	53	53				1 2 3
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		16				2
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	43	43				1 2 3
DAWSON	2018	KIDDER	8	46 52	98 45	1730		9				2
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	45	74				1 2 3
DICKINSON CAA AIRPORT	2183	STARK	4	46 48	102 48	2587	9	9				1 2 3
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	58	58				1 2 3 4
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	20	20				1 2 3
DUNN CENTER	2365	DUNN	6	47 21	102 37	2181	51	51				1 2 3
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	54	54				1 2 3
EDGEMAN	2472	SOTTINEAU	12	48 39	101 03	1500	44	44				1 2 3
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	49	49				1 2 3
EDMORE 1 W	2525	RAMSEY	2	48 25	98 28	1524	26	26				1 2 3
ELBOWOODS	2570	MC LEAN	8	47 35	102 09	2082	57	57				1 2 3
† ELLENDALE	2605	DICKEY	5	46 00	98 31	1457	51	51				1 2 3
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	41	41				1 2 3
ESMOND	2767	BENSON	11	48 02	99 46	1650				NOV		2
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		22				2
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	69	69				1 2 3
FESSENDEN	2949	WELLS	5	47 39	98 37	1610	38	38				1 2 3
FLASHER	3009	MORTON	1	46 27	101 14	1930				SEPT		2
FORMAN	3117	SARGENT	10	46 06	97 38	1249	58	58				1 2 3
FORT YATES	3207	SIOUX	8	46 06	100 38	1640	50	50				1 2 3
FOXHOLM WILDLIFE REF	3217	NARD	12	48 27	101 33	1608	25	29				1 2 3
FRYBURG	8812	BILLINGS	4	46 53	103 18	2790				DEC		2
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	52	52				1 2 3
GACKLE	3309	LOGAN	5	46 38	99 08	1951	19	19				1 2 3
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	73	73				1 2 3
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		9				2
† GOLVA 1 SE	3556	GOLDEN VALLEY	7	46 44	103 57	2780	9	9				2
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	58	58				1 2 3
GRAND FORKS CAA AIRPORT	3616	GRAND FORKS	10	47 56	97 05	834	9	9				1 2 3
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	59	59				1 2 3
GRANO	3676	RENVILLE	12	48 37	101 35	1625						2
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	43	43				1 2 3
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	41	41				1 2 3
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		8				2
HAWKINSON RR STATION	3908	RICHLAND	10	48 04	96 54	1068	21	21				1 2 3
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		8				2
HANNAH	3936	CAVALIER	9	48 59	98 41	1568	58	56				1 2 3
HANSBORO	3963	TOWNER	9	48 57	99 23	1597	42	42				1 2 3
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		47				2
HAYNES 6 NE	4073	ADAMS	1	46 01	102 24	2640				AUG		2
HAZELTON RR STATION	4083	EMMONS	8	48 29	100 17	1978		9				2
† HETTINGER	4178	ADAMS	3	46 00	102 38	2675	43	43				1 2 3
HILLSBORO	4203	TRAILL	10	47 24	97 04	901	44	44				1 2 3
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		9				2
JAMESTOWN CAA AIRPORT	4413	STUTSMAN	5	46 55	98 41	1497	9	9				1 2 3
JAMESTOWN STATE HOSP	4416	STUTSMAN	5	46 53	98 40	1457	58	58				1 2 3
KENMARE	4646	WARD	12	48 40	102 05	1799	18	18				1 2 3
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	98 52	1440	9	9				1 2 3
KRAMER 5 SE	4823	BOTTINEAU	12	48 39	100 37			10				2
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	3	3				1 2 3
LAMGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	54	54				1 2 3
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	57	57				1 2 3
LEEDS	5078	BENSON	2	48 17	99 26	1515	9	9				1 2 3
LINTON	5210	EMMONS	8	48 16	100 14	1711	33	33				1 2 3
LISBON	5220	RANSOM	11	46 26	97 41	1091	46	46				1 2 3
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	98 30	1604	35	35				1 2 3

Station	Index No.	County	Drainage† @	Latitude	Longitude	Elevation	Years of record: Temp.	Years of record: Precip.	Years of record: Evap	Opened or closed during yr.: Month opened	Opened or closed during yr.: Month closed	Refer to tables
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	36	36				1 2 3 4
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	8	8				1 2 3
MANNING	5518	DUNN	8	47 14	102 48			8				2
MANMARTH	5573	SLOPE	7	46 18	103 55	2714	37	41				1 2 3
MARTIN	5610	SHERIDAN	11	47 50	100 07	1810				NOV		2
MAX	5638	MC LEAN	8	47 48	101 17	2093	21	21				1 2 3
MAYVILLE	5860	TRAILL	10	47 30	97 18	975	54	54				1 2 3
MC CLUSKY	5710	SHERIDAN	8	47 28	100 28	1843	25	32				1 2 3
MC GREGOR RR STATION	5720	WILLIAMS	8	48 38	102 58			8				2
MC HENRY 5 N	5730	EDDY	11	47 38	98 35	1509	27	27				1 2 3
MC LEOD 3 S	5754	RICHLAND	11	46 24	97 14	1075	38	38				1 2 3
MC VILLE	5764	NELSON	10	47 46	98 11	1487		8				2
MEDINA 1 W	5788	STUTSMAN	8	48 53	98 13			8				2
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	6	35			DEC	1 2 3
MEDORA TRMP	5813	BILLINGS	7	46 58	103 30	2250						1 2 3
MELVILLE	5833	FOSTER	5	47 20	89 02	1625				NOV		2
MINOT CAA AIRPORT	5988	WARD	12	48 15	101 17	1724	54	54				1 2 3
MINOT EXP FARM	5883	WARD	12	48 10	101 18	1720	4	4				1 2 3
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		7				2
MOHALL	6025	RENVILLE	12	48 48	101 31	1638	58	58				1 2 3
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8				2
†MOTT	6155	HETTINGER	1	48 23	102 20	2420	43	43				1 2 3
MUNICH 4 SW	6195	CAVALIER	2	48 38	98 53	1598	2	2				1 2 3
NAPOLEON 1 SE	6255	LOGAN	8	46 28	98 45	1955	58	58				1 2 3
NEW ENGLAND	6315	HETTINGER	1	48 33	102 52	2821	58	58				1 2 3
NEW ROCKFORD	6350	EDDY	5	47 41	98 08	1555				NOV		2
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550				NOV		1 2 3
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	46	46				1 2 3
†OAKES	8620	DICKEY	5	46 08	98 05	1318	21	21				1 2 3
OMEMEE 3 SE	6703	BOTTINEAU	12	48 38	100 20			9			NOV	2
PARK RIVER	6857	WALSH	10	48 23	97 45	898	48	46				1 2 3
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1829	18	35				1 2 3
PEMBINA	6947	PEMBINA	10	48 57	97 15	792	78	78				1 2 3
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	8	19				1 2 3
PETTIBONE	7047	KIDDER	8	47 07	99 31	1858	41	41				1 2 3
PORTAL	7201	BURKE	12	48 00	102 33	1954	38	36				1 2 3
POWERS LAKE	7281	BURKE	8	48 34	102 38	2205	24	45				1 2 3
PRETTY ROCK	7311	GRANT	1	48 11	101 51			8				2
RAUB	7405	MC LEAN	8	47 44	102 04			9				2
REEDER	7452	SLOPE	1	48 18	102 57	2880				AUG		2
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2487	34	34				1 2 3
RIVERDALE	7585	MC LEAN	8	47 30	101 24	191D						1 2 3 4
ROLETTE	7655	ROLETTE	12	48 40	88 50	1825				NOV		2
ROLLA	7864	ROLETTE	8	48 52	88 37	1880	12	12				1 2 3
RUGBY	7704	PIERCE	12	48 22	100 00	1580	2	21				1 2 3
RYDER	7748	NARD	8	47 55	101 40	2108		21				2
SANISH	7834	MOUNTRAIL	8	47 59	102 32	1835	24	24				1 2 3
SARLES	7844	CAVALIER	9	48 57	99 00	1585	8					2
SSARING	7944	MC KENZIE	13	47 34	103 48		9					2
SELFRIDGE 11 W	7952	SIOUX	8	46 01	101 10			13				2
SHARON	7986	STEELE	10	47 36	97 54	1518	23	26				1 2 3
SHERWOOD	8047	RENVILLE	12	48 00	101 38	1847		2				2
SHEVENNE	8057	EDDY	11	47 50	89 09	1500					NOV	2
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258	12	12				1 2 3
STELLE	8366	KIDDER	8	46 51	99 53	1857	58	56				1 2 3
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		21				2
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		21				2
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	48	48				1 2 3
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		24				2
TROTTERS	8812	GOLDEN VALLEY	13	47 20	103 34						DEC	2
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1869	38	38				1 2 3
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1938		41				2
UNDERWOOD 12 N	8877	MC LEAN	8	47 26	101 24	1750	25	38				1 2 3
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	8	9				1 2 3
VALLEY CITY	8837	BARNES	11	46 55	88 00	1229	45	45				1 2 3
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	9	9				1 2 3
VELVA	8990	MC HENRY	12	48 03	100 55	1311	23	23				1 2 3
VENORA	9035	LA MOURE	5	46 22	98 04			9				2
WAHPETON POWER PLANT	9095	RICHLAND	10	48 17	96 36	882		9				2
WAHPETON STATE SCHOOL	8100	RICHLAND	10	46 18	98 38	982	58	58				1 2 3
WALHALLA	9155	PEMBINA	9	48 58	97 54	93D		9				2
WASHBURN	9185	MC LEAN	8	47 17	101 02	1731	47	47				1 2 3
WATFORD CITY	8233	MC KENZIE	8	47 48	103 17	2084	37	37				1 2 3
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	1508	44	44				1 2 3
WILDROSE	8400	WILLIAMS	8	48 38	103 10	2238		20				2
WILLISTON WB CITY	9425	WILLIAMS	8	48 08	103 38	1877		71				1 2 3
WILLOW CITY	8445	BOTTINEAU	12	48 36	100 17	1471	58	38				1 2 3
WILTON RR STATION	8455	MC LEAN	8	47 09	100 48	2139	15	15				1 2 3
WISHEK	8515	MC INTOSH	8	46 16	99 34	2010	29	29				1 2 3

CHANGE OF NAMES

† Balfour
† Ellendale
† Golva 1 SE

† Bettinger
† Mott
† Napoleon 1 SR
† Oakes
† Rugby
† Selfridge 11 W

Formerly Balfour Railroad Station prior to November.
Formerly Ellendale Normal School prior to August.
Formerly Golva 3 N prior to December - Formerly Golva prior to September.
Formerly Bettinger Experimental Farm prior to September.
Formerly Mott Railroad Station prior to September.
Formerly Napoleon 2 SR prior to November.
Formerly Oakes Water Works prior to August.
Formerly Rugby 1 N prior to May.
Formerly Selfridge prior to September.

See reference notes following Table 4.

US GPO CH FSO

Nat Hist
JUN 20 1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

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JANUARY 1950

Volume LIX No. 1

NAT. HIST.

KANSAS CITY: 1950

NORTH DAKOTA - JANUARY 1950

F. J. Bavendick, Section Director, Bismarck

WEATHER SUMMARY

Cold weather began on the first of January and there were no periods warm enough to melt any snow during the entire month. It was the coldest January of record in North Dakota. February, 1936, was the only month on record with a lower average temperature. The maximum temperature did not go above zero on more than half of the days. Precipitation averaged more than twice the normal amount. Many stations reported more snowfall than in any previous January and with wind velocities above average, blizzard conditions prevailed on many days. Transportation was maintained with difficulty.

The mean temperature for the State was -10.5° or 17.2° below the average. January this year averaged 32.2° below the January, 1944 average. Unusually cold periods prevailed from the 2nd to the 7th, 14th to 19th and 25th to 30th. In the eastern division the mean temperature was -9.9°; in the middle division, -11.8° and in the western division, -9.8°. The highest temperature for the month was 51° at Medora on the 21st and the lowest temperature was -51° at Elbowoods on the 26th, making a range of 102° for the state. The range at Medora was 100°.

Precipitation for the state averaged 1.04 inches or 0.55 inch above the January normal. The mean for the eastern division was 1.32 inches, for the middle division, 1.03 inches and for the western division, 0.75 inch. Only a few of the stations in the extreme southwest part of the state reported below normal precipitation. All of the precipitation was in the form of snow. Greatest amounts fell in Stutsman and the bordering counties. Average snowfall for the eastern division was 18.7 inches, for the middle division, 14.7 inches and for the western division, 10.0 inches.

The unusually cold weather and the heavy snowfall were unfavorable for outdoor work and for livestock. Livestock remained in fair condition but much yard feeding was necessary. Farmers had a hard time getting around and schools were closed at times in a few places. Except for the blizzard conditions, no other damaging storms occurred.

F. J. B.

ACKNOWLEDGMENTS

In additinn to the climatnlngical data from some 6,000 Weather Bureau and conperative weather statinns, this hulletin series cnntains records frnm Hydrnclimatic Netwnrk Stations which were fnrmerly reprnduced in the Hydrologic Bulletin Series. The Hydrnclimatic Netwnrk is a nationwide net nf rain gages -- mnstly nf the recnrding type which prnduce cnntinuous recnrds of precipitatinn. It was estahlished in 1939 at the request of the Corps nf Engineers, Department nf the Army, tn supplement existing precipitation stations in order to provide recnrds of rainfall intensity which were essential to the planning nf flood cnntrnl and related works hy the Cnrps of Engineers. This Network, nnw numhering ahnut 2,000 recording, and 1,000 non-recording rain gages, has heen maintained by the Weather Bureau thrnugh working funds transferred annually tn the Weather Bureau hy the Cnrps nf Engineers. These transfers averaged ahout $250,000 per year hetween 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department nf Agriculture transferred ahout $100,000 per year tn prnvide data required in its work, and since 1947 the Bureau nf Reclamatinn has transferred abnut $25,000 per year tn meet tbe increasing needs nf their prngram in the Western States.

Previous tn the intrnductinn nf this hulletin Series, data frnm Hydroclimatic Netwnrk Statinns were presented in hulletins (Hydrologic Bulletins) which were issued mnnthly fnr each nf 8 drainage areas embracing the entire United States, but since the Netwnrk was established to meet the internal requirements of the Federal Agencies referred to ahnve, nn provisinn was made for puhlic dissemination nf the data, distrihutinn heing limited tn cooperating agencies and to certain puhlic repositories. A list nf lncatinns where reference cnpies of the Hydrologic Bulletin Series are availahle fnr inspectinn may he nhtained upnn applicatinn to Chief, U. S. Weather Bureau, Washingtnn 25, D. C.

Many nther recnrds published in this hulletin have heen made availahle thrnugh the conperation nf varinus public offices, private agencies, and individuals as listed in the Statinn Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:30 A	7:30 A	1:30 P	7:30 P	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
BISMARCK AIRPORT	NW	16	10.6	45	NW	24	70	71	65	71	9	5	5	0	0	0	19	55	6.4	2334
DEVILS LAKE	-	-	9.6	26	NE	23	-	-	-	-	12	8	4	0	0	0	24	63	6.5	2436
FARGO AIRPORT	NNW	20	14.7	41	S	11	66	66	64	65	8	7	7	0	0	0	22	41	7.0	2234
WILLISTON	-	-	6.1	23	E	23	-	-	-	-	14	9	5	0	0	0	28	52	7.2	2398

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	3.3	58	-52	0.32	2.8	4
1893	0.8	52	-48	0.99	8.4	7
1894	0.6	60	-47	0.39	3.6	4
1895	-2.9	42	-46	0.56	5.5	5
1896	5.3	58	-42	0.77	6.6	6
1897	3.6	49	-38	0.77	7.5	5
1898	14.6	69	-32	0.11	1.1	2
1899	5.2	55	-41	0.25	2.4	3
1900	15.4	70	-30	0.22	2.0	3
1901	7.7	68	-39	0.28	3.0	4
1902	12.7	51	-40	0.14	1.4	2
1903	9.4	56	-37	0.66	6.7	5
1904	3.6	50	-52	0.40	4.0	5
1905	0.9	48	-40	0.32	2.9	3
1906	12.2	60	-38	0.69	6.9	4
1907	-6.2	45	-45	1.32	14.5	8
1908	17.0	70	-41	0.24	1.9	2
1909	3.5	53	-48	0.43	4.3	4
1910	9.4	49	-35	0.37	4.1	3
1911	-1.0	56	-43	0.84	8.5	6
1912	-4.6	63	-52	0.35	3.6	4
1913	3.2	60	-54	0.45	4.6	5
1914	14.8	62	-38	0.48	4.9	4
1915	5.8	51	-48	0.29	3.4	3
1916	-6.4	49	-56	1.36	15.1	6
1917	1.7	47	-46	0.72	8.6	5
1918	0.5	48	-44	0.47	5.0	5
1919	18.7	66	-44	0.18	1.7	2
1920	2.7	49	-44	0.97	10.0	5
1921	15.9	52	-31	0.24	2.5	2
1922	7.0	55	-46	0.49	5.2	5
1923	10.1	56	-35	0.52	6.0	5
1924	2.6	61	-42	0.23	2.5	3
1925	8.6	52	-35	0.24	2.5	3
1926	16.3	55	-30	0.38	4.1	4
1927	10.1	60	-44	0.42	4.3	4
1928	13.0	50	-41	0.20	2.3	3
1929	-4.8	42	-42	0.62	9.2	6
1930	-1.9	41	-43	0.29	2.7	4
1931	21.4	68	-31	0.15	1.4	2
1932	9.5	50	-34	0.56	6.3	4
1933	11.8	53	-30	0.80	10.0	7
1934	15.8	54	-36	0.20	2.0	3
1935	3.3	60	-44	0.41	4.9	6
1936	-5.8	43	-44	0.56	6.9	7
1937	-8.3	38	-44	0.67	9.0	6
1938	9.5	50	-40	0.48	6.1	6
1939	15.0	55	-32	0.47	6.0	6
1940	3.4	48	-39	0.10	1.4	3
1941	11.0	53	-33	0.54	6.3	5
1942	18.3	60	-35	0.09	1.0	2
1943	-1.4	45	-44	0.73	9.4	7
1944	21.8	61	-26	0.37	4.8	3
1945	12.7	51	-31	0.41	5.6	5
1946	11.2	56	-33	0.20	2.9	4
1947	16.0	57	-37	0.35	4.4	4
1948	9.3	59	-42	0.40	5.0	6
1949	1.7	58	-49	1.14	15.3	8
1950	-10.5	51	-51	1.04	14.5	9
PERIOD	6.7			0.49	5.4	

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a State.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in F°, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygro metric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Amounts in Table 4 are from recording gages. Traces are not shown.

No Record in Tables 3, 4, 6, 7 and the Station Index is indicated by a dash. No Record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Data in Tables 3, 5 and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

+ And also on a later date or dates.
* Amount included in following measurement, time distribution unknown.
// Gage is equipped with a windshield.
6 Precipitation measured at 6-hourly intervals, no recording gage.
B Adjusted to a full month.
E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M One or more days of record missing; see Table 5 for detailed daily record.
R Station equipped with recording gage only.
S Storage precipitation station. Precipitation measurements, made at irregular intervals will be published in the June issue of this publication.
T Trace, an amount too small to measure.
V Includes total for previous month.
Z Hourly amounts from a recording gage at the same site may be found in Table 4.

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CLIMATOLOGICAL DATA

Table 2

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
AMENIA	- 7.1		26	11	-33	30		31	1.36		.35	24	27.0	27	24	11	1	
ARVILLA STATE PARK	-12.3		21	11	-37	30		31	1.04		.42	24				13	1	
CAVALIER POWER PLANT	-11.6	-13.0	14	11+	-37	30		31	1.18	.51	.52	24	15.6	24	24+	12	1	
COOPERSTOWN	-10.8	-15.1	24	11+	-37	18		31	.78	.27	.35	24				4	1	
DEVILS LAKE WB CITY	-13.4	-15.2	19	11	-36	26		31	1.00	.53	.22	23	15.8	25	24	12		
EDGELEY EXP FARM	- 7.5	-16.3	28	11	-32	26		31										
EDMORE 1 W	-14.7	-14.9	10	11+	-39	30		31	1.18	.69			17.5	29	29+	9		
ELLENDALE	- 4.2	-14.2	31	11	-30	26		31	1.54	1.08	.80	24	16.0	19	24+	9	1	
FARGO WB AIRPORT	- 7.1	-10.9	27	1	-32	26		31	1.36	.69	.32	24	14.9	18	31	14	1	
FORMAN	- 3.7	-11.3	32	11	-32	26		31	1.59	1.14	.72	24	15.9	16	31	6	2	
FULLERTON	- 6.0	-15.1	30	11	-32	26		31	2.40	1.70	.82	24	25.3	18	24+	12	2	
GRAFTON STATE SCHOOL	-11.6	-14.2	17	11+	-37	30		31	1.58	1.08	.43	24	19.6	22	24+	7	3	
GRAND FORKS CAA	-11.6	-15.2	22	11	-33	18+		31	1.07	.54	.35	24	16.5	22	24+	14	1	
GRAND FORKS UNIVERSITY	-11.3	-14.9	22	11	-33	18+		31	1.17	.64	.56	24	19.3	22	24+	14	1	
HANKINSON RR STATION	- 4.7M	-12.6	30	12	-27	26+		31	1.52	1.05	.67	24	23.3	21	25+	9	1	
HANNAH	-15.7M	-16.9	11	11	-40	26+		31	.63	- .07	.21	24		11	29+	8		
HILLSBORO	- 9.5	-14.4	24	1	-34	30		31	1.58	1.07	.74	24				9	1	
JAMESTOWN CAA	-10.3	-17.4	25	11	-35	18+		31	2.98	2.43	.95	23	30.4	35	28+	14	5	
JAMESTOWN STATE HOSPITAL	- 9.5	-16.6	25	11	-33	18+		31	.91	.36	.23	20		28	24+	7		
KENSAL WILDLIFE REFUGE	-12.0		22	11	-38	26		31	1.17		.40	24	16.3	27	28+	9	1	
LA MOURE	- 6.4		30	11	-32	26		31	.93		.35	24				11	1	
LANGDON EXP FARM	-15.8	-16.2	10	11+	-40	30		31	1.72	1.11	.58	24	19.1	28	28+	12	1	
LARIMORE	-10.6	-14.4	21	11	-33	26		31	1.64	1.04	.88	25	18.0	24	25+	4	2	
LISBON	- 7.6	-15.2	31	12	-31	18+		31	.77	.18	.26	24		18	24	8	1	
MAYVILLE	- 9.4	-15.4	24	11+	-32	27		31	1.59	1.20	.55	24	20.4	21	24	14	1	
MC HENRY 5 N	-13.8	-15.3	18	11	-37	26		31	1.23	.81	.34	24	14.5	25	28+	10	1	
MC LEOD 3 E	- 6.1	-14.4	31	11	-33	26		31	1.25	.69	.40	24	18.1			10	1	
MUNICH 4 SW	-16.7		12	11+	-42	28+		31	1.17		.43	24	16.0	25	28+	11	1	
OAKES	- 6.3	-15.2	30	12	-32	26		31						15	26+			
PARK RIVER	-12.1	-15.0	14	11+	-32	18		31	.82	.33	.47	24	13.2	21	24+	8	1	
PEMBINA CAA	-14.6	-17.0	16	11	-42	30		31	.85	.22	.31	24	8.8	16	28+	15	1	
SHARON	-10.9	-14.4	22	11	-35	26		31	1.28	.81	.35	23		27	28+	9	1	
VALLEY CITY	- 8.1	-14.2	28	11	-33	30		31	1.55	1.01	.56	24	25.5	22	24+	11	2	
WAHPETON STATE SCHOOL	- 2.8	-11.5	29	11	-31	26		31	1.46	1.01	.57	24	21.5	19	24+	9		
DIVISION	- 9.9	-14.7							1.32	.79			18.7					
MIDDLE DIVISION																		
ASHLEY	- 6.6	-15.3	28	22	-33	28		31	1.32E	.88	.30	3	20.5	22	28+	11	2	
BELCOURT INDIAN RES	-16.2		12	11	-42	4+		31	.70		.14	24	7.4	13	28	11		
BISBEE	-14.5M	-16.3	11	11	-38	28		31	1.07	.62	.49	24		10	28+	7	1	
BISMARCK WB CITY	- 7.5	-15.5	25	22	-39	18		31	1.08	.70	.22	20	16.5			10		
BISMARCK WB AIRPORT	-10.2	-18.5	25	21	-44	18		31	1.00	.55	.22	20+	16.9	16	24	10		
BOTTINEAU	-14.4	-15.8	10	11+	-41	26+		31	.59	.18	.11	24	7.7	12	29+	9		
BUTTE	-10.9M	-18.8	22	21	-34	18+		31	.97	.61	.29	20	10.0			5	2	
CARSON 2 SW	- 7.7	-17.8	40	21	-38	26		31	1.04	.68	.20	23		21	23+	9		
CENTER	-11.2M	-21.0	35	21	-42	18		31	.86	.49	.30	23	14.0	16	27+	8	1	
DRAKE	-13.5	-19.0	22	22	-37	26		31										
DUNSEITH ST SANITARIUM	-14.9	-17.7	10	20+	-40	29		31	.89	.46	.25	24		14	28+	8	1	
ECKMAN	-16.1	-19.2	15	22	-43	30		31	.92	.56	.17	24+	9.9	16	28+	13		
FESSENDEN	-10.9	-15.6	22	11	-34	26		31	.69	.20	.19	24				6		
FORT YATES	- 6.4	-16.0	32	21	-39	28		31	.56	.17	.11	24		18	24+	8		
FOXHOLM WILDLIFE REF	-12.8	-19.6	14	21	-40	4+		31	.99	.55	.27	24	13.7	16	29+	10	1	
GARRISON	-12.8M	-20.7	25	21	-35	18+		31	1.17E	.80	.30	23		17	23+	10	2	
GRANVILLE	-13.0	-18.1	17	21	-39	30		31	1.07	.69	.37	24	11.5	19	28+	7	1	
HANSBORO	-14.7M	-15.3	14	11	-42	26		31	.49	- .12	.16	24	8.3	17	24+	7		
LEEDS	-14.0		16	11	-39	30		31	1.23		.47	24	19.6			11	1	
LINTON	- 7.8	-18.9	28	11	-44	26		31	.63E	.29	.18	3	8.2	13	24+	8		
MADDOCK AGR SCHOOL	-12.9	-17.5	20	11	-39	26		31	1.56	1.14	.74	24				9	1	
MANDAN EXP STATION	-10.1	-18.7	29	22	-37	18		31	.75	.38	.23	20	16.1	17	24+	11		
MANDAN FT LINCOLN PARK	- 6.8		28	21	-44	18		31	.99		.22	20		18	24+	11		
MAX	-13.8	-18.3	21	22	-39	26		31	.76	.41	.10	14+	15.0	16	28+	11		
MC CLUSKY	-11.3M	-17.7	21	21	-35	26		31	1.53	1.09	.51	24				11	1	
MINOT CAA	-13.4	-20.0	13	21	-33	26		31	1.07	.70	.19	20	14.6	18	28	12		
MINOT EXP FARM	-13.8		14	1	-35	26		31	.53		.11	13+		16	28+	12		
MOHALL	-14.1	-18.9	12	21	-38	26		31	.67	.33	.14	21		13	28+	10		
NAPOLEON 1 SE	- 9.0	-15.8	27	21+	-35	26		31	1.69	1.28	.54	24	17.7	28	28+	13	1	
NEW SALEM 1 S	- 8.4M	-18.1	39	21	-36	26		31	.77	.33	.22	23	15.1	15	23+	9		
PETTIBONE	-10.7	-14.6	23	11	-40	26		31	2.08	1.70	.96	24		27	24+	11		
ROLLA	-15.0	-17.6	10	11	-40	26		31	1.09	.56	.24	24	14.6	18	28+	15		
RUGBY	-12.2		16	11	-38	30		31	.99E	.58	.38	24	16.9			10	1	
STEELE	-11.3M	-18.5	22	22	-42	26		31	2.06	1.66	.45	2	24.6	28	25+	12	3	
TOWNER	-13.5M	-17.6	15	21	-42	30		31	1.14	.69	.29	24	20.0			7	2	
TURTLE LAKE	-12.5M	-19.2			-38	28		31										
UNDERWOOD 12 W	-11.3	-21.2	19	11	-46	28		31	.95	.62	.36	23	17.0			7	1	
UPHAM WILDLIFE REFUGE	-13.2		15	21	-42	28+		31	.89		.25	24	14.7	17	28+	8	1	
VELVA	-11.4	-18.1	21	21	-40	18+		31	1.05	.63	.22	13	14.0	23	28+	11		
WASHBURN	- 7.8	-15.8	30	21	-34	26		31	1.53	1.21	.81	24	19.4	18	28+	8	2	
WESTHOPE	-14.3	-18.4	10	11	-43	26		31	1.03	.70	.32	24	18.0	24	24+	7	1	
WILLOW CITY	-14.8	-15.9	13	11	-45	18+		31	.78	.23	.18	28	13.0	12	28+	11		
WILTON RR STATION	-11.9M	-19.9	30	22	-37	18		31						20	30+			
WISHEK	- 9.5M	-16.8	30	22	-35	26		31	1.22	.83	.50	24				11	1	
DIVISION	-11.8	-17.7							1.03	.58			14.7					

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
ALMONT 7 5W	- 7.1		42	21	-33	26		31	.68		.15	23				7		
AMIDON	- 3.6	-18.2	45	21	-32	25		31	.33	- .10	.10	17+	2.2	4	25+	6		
BEACB	- 4.6	-16.7	42	21	-34	25		31	.26	- .20	.11	20	3.5	2	20+	7		
BELFIELD	- 6.1	-20.4	45	21	-36	26		31	.94	.48	.48	23		9	23+	5	1	
BOWBELLS RR STATION	-15.5M	-20.3	15	22	-36	26+		31						9	28+			
BOWMAN COURT BOUSE	- 3.7	-18.3	43	22	-28	25+		31	.56	.12	.38	22				4	1	
CROSBY	-16.2	-20.6	23	22	-38	25+		31	.56	.16	.11	15	7.4	13	28+	9		
DICKINSON CAA	- 7.6	-18.2	42	21	-35	26		31	.90	.48	.28	23	8.6	8	23+	9	1	
DICKINSON EXP STATION	- 8.3	-18.9	42	22	-38	18		31	.77	.35	.13	17+	10.9	9	24+	14		
DUNN CENTER	-10.2	-22.4	41	22	-41	26		31	.80	.44	.25	20		14	24+	6	1	
ELBOWOODS	-13.5M	-22.1	23	21	-51	26		31	.69	.36	.18	21	14.5	11	28+	8		
EPPING	-14.8M	-20.0	28	21	-38	24+		31	.49	.07						7		
GRENORA	-15.3	-20.2	20	21	-45	15		31	.20	- .24	.15	20	3.2	10	20+	2		
KENMARE	-13.6	-19.4	17	22	-35	25		31	.81	.48	.15	15+				11		
MARMARTH	- 2.9	-16.4	45	21	-32	25+		31	.63	.21	.38	22	5.7			5	1	
MEDORA T R N M P	- 4.8		51	21	-49	26		31	.56		.19	23	8.2	5	23+	9		
MOTT	- 5.2	-15.4	45	21	-41	26		31	.51	.02	.16	23	11.5	12	28+	9		
NEW ENGLAND	- 3.0	-16.5	47	21	-37	18		31	.87	.41	.19	17	12.5	8	28+	7		
PARSHALL	-12.6	-18.9	22	21	-45	18		31	1.20	.86	.20	20+	14.0	18	28+	9		
PORTAL	-17.5	-20.5	11	22	-39	25		31	1.24	.84	.43	24				7	2	
RICHARDTON ABBEY	- 5.7	-16.8	42	21	-32	25		31	1.13	.75	.24	23	12.5	11	24+	13		
SANISB	-12.9	-18.0	23	22	-46	26+		31										
STANLEY	-16.7		27	21	-40	4+		31	.66	.27	.23	22	16.0	15	28	5		
VAN BOOK	-11.8		28	21	-46	26		31	.60		.16	20	10.2	14	28+	10		
WATFORD CITY	-10.2	-20.0	21	21	-39	18		31	1.33	.86	.31	20	15.5	14	24+	9	2	
WILLISTON WB CITY	-12.2	-18.6	30	21	-37	26		31	1.21	.67	.33	20	14.2	15	28+	14	1	
DIVISION	- 9.8	-18.9							.75	.28			10.0					
STATE	-10.5	-17.2							1.04	.55			14.5					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

Station	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADAMS 7 S			.13											.10	.11	.08			T		.22			.45					.04			1.13
ALEXANDER RR STATION		.02											T	.08			.10			.18	.06	.08	.11				.03	.11				.77
ALMONT 7 SW			T						T				.14	T	.04		.08			.14	T	T	.15	.12				.01		T		.68
ALPHA									.02			T	T	.05	T	T	.07			.09		.11	.02					.01			T	.37
AMENIA		.10	.12							.06			.09	.05	.05		.10			.21		.17		.35				.06				1.36
AMIDON	2	T							T				T	.01	T	T	.10				.10	.10	.01	T	.01			T				.33
ARVILLA STATE PARK		.11	.04						.01	.08			.02	.05	.04		.03			.10	.09	.01		.42				.04				1.04
ASHLEY	Z	.20	.30	.10									.14		.06		.04					.06	.11	.25				.02		T	.04	1.32 E
BALDHILL OAM				.07						T						.35				T	.75	*	.25	*	.15				T	T	1.57 E
BALFOUR	R	.01							.02				.10							.30	*	*	*	.17			*	.10				.70
BEACH		T							T				.01	.01		T	.05			.11			.03					.02				.26
BELCOURT INDIAN RES		.02							.04			T	.11		.02		.02			.09	.09		.03	.14			.03	.11				.70
BELFIELD														.22			.08			.10			.48	T	T			.06				.94
BEULAH		T							.04				.13	.06			.07			.27		.25	.26					.01				1.09
BISBEE		.07											.12				.04			T	.17	T		.49				.14				1.07
BISMARCK WB CITY		T .01	T	T					T	.15			.11	.03	T	T	.06			.22	T	.10	.17	.20	T	T		.03				1.08
BISMARCK WB AIRPORT	2	T .01	T	T					.13	T			.10	.03	T	T	.06			.22		.14	.22	.06	T	T		.03		T	T	1.00
BOTTINEAU		.02				T			T	.03			.10	.03						.04	.10	T	T	.11		T	.11		.05			.59
BOWBELLS RR STATION		-				.15	T	T						.02	T	.08	.04				.07	.09	.09	.17				.09				-
BOWMAN COURT HOUSE	2	T							T				T	.04	T		T			T		.38	.12					.02				.56
BREIEN	R	.13	.02						-				.10	.03		.01	.06			.02		.12	.30					-				-
BUTTE		T				T			T				.24		T		T			.29	.10	T	.09	.25				T				.97
CARRINGTON		.02	.04							.11				.08	.07	.04						.30	.23	.30	.28							1.47
CARSON	R	.01	.02						.05				.11	.08		.01	.08			.04		.19	.11	.03								.73
CARSON 2 SW		T	.09				T		.10	.13			.17	T	.07		.10					.15	.20						.03			1.04
CAVALIER POWER PLANT		.10	T			T			T	.10	.03		.07	.05	T		.06			.02	.10	.03		.52		.01	T	.09				1.18
CENTER					.03	.09			.03		T		.20	.06		T				.10			.30				.05					.86
COLGATE						.03				*	*	*	*	*	*	*	*	.40		*	*	*	*	.80		.08	.14					1.45
COOPERSTOWN		.10								.12										.21				.35								.78
COURTENAY		.38	T						T				.15	.37	T		.10			.30	T	.15	.32	.40				.11	T			2.28
CROSBY		.06				T			T	T		T	T	T	.11			.02		.06	.09	.01	.06	.09			T	.06				.56
OAWSON	R	.13							.09				.09	.03			.07			.21		.07	.07	.10	.11			.02				.99
OEVILS LAKE WB CITY	Z	T .05	T	T		.01		T	.08	T		T	.14	T	.03	T	.04	T		.19	.01	.02	.22	.17	T	T	T	.04				1.00
OICKINSON CAA	Z	T .04	T			T	T	T	.01			T	.15	.10		T	.16			.09	T	.05	.28	T				.02		T	T	.90
DICKINSON EXP STATION		.01	T	T			T	T		.04			.06	.01	.05		.13	.02		.10	T	.01	.11	.13	.02			.04	.04		T	.77
DRAKE			-							.05			.03	.03			.18			.16	.10	.05	.07	.15						.11		-
GUNN CENTER		T							T	T			.05	T	.10		T			.25	T	.10	.07	.23	T			T				.80
GUNSEITH ST SANITARIUM		.03				T		T	T	.06			.12	T			.10			.05	.13	T	T	.25				.15				.89
ECKMAN		.03								.05		.02		.15	.03		.02	.03		.01	.12		.06	.17			.06	.17				.92
EDGELEY EXP FARM	Z	.40	.65	.08						.07			.06	.02	T	.34	-			.02		.01	.08	1.10					T			-
EDMORE 1 W			.20		T			T		.08			*	.24	T					.10	.10		*	.38					.08			1.18
ELBOWOODS									T				.12	.02	.04						.18	.14	.05	.09				.05				.69
ELLENDALE		.08	.18	T						T	T		.15	T	T		.09					.08	.10	.80	T			.02		.04	T	1.54
EPPING		.02												*	.09					.21		*	.06				.11					.49
FAIRFIELD 9 N													.03		.02		.03			.18		.10	.07	.18				.05				.66
FARGO WB AIRPORT	Z	T .10	.15	.01		T		T	.02	.02		T	.15	T	.04		.14			.20	T	.04	.12	.32	T			.02		T	.03	1.36
FESSENDEN		.04								.08			.11							.18		.09		.19								.69
FLASHER			.02							.05			.06	.03	.07		.07			.04			.17		.10							.61
FORMAN		T	.30							T			.12		T		.17					.13	T	.72				T		T	.15	1.59
FORT YATES	Z	.08	.01						T	T			.06		.03		.09					.08	.10	.11				T		T		.56
FOXHOLM WILDLIFE REF		T				T	T		T				.05		.02	.10				.10	.10	.10	.10	.27			T	.05	.10			.99
FRYBURG		T								.03			.01	.01	.06		.02	T		.10		T	.09	.06	.04			.02	.01		T	.45
FULLERTON		.05	.67						T	.04	.05		.21		.06		.16			.02		.12	.16	.82				.04		T		2.40
GACKLE									.20	.10		.08			.07					.17			.03	.50				.04			T	1.19
GARRISON		.02	T					T	.03				.17	.05		T	.05			.28	T	.21	.30	T			.02	.04		T		1.17E
GLEN ULLIN	R												.10	.07			.12			.18		.07	.23	.04								.81
GRAFTON STATE SCHOOL		.30	.07				T		T	.18	T		.15		T		T			.15		.30		.43				T	T	T		1.58
GRAND FORKS CAA	2	.12	.06	T		T		T	.06	.03		T	.09	T	.05		.02			.16	.02	.02	.05	.35	.01	T		.03		T	T	1.07
GRAND FORKS UNIVERSITY		.18	.01						.01	.03			.02	.01	.04		.03			.10	.11	.04	.02	.56				.01				1.17
GRANO	R//	.02							.05				.16	.04	*	*	.25			.15	.02	.05	*	-			.02	.22				-
GRANVILLE		.03				T		T	T				.20		T					.12	T	.08	.07	.37			T	.20			T	1.07
GRENORA															.05					.15												.20
HALLIDAY		.03	T							.04			.16	.04	.04		.07			.22	.16		.11				T	.04				.91
HANKINSON RR STATION			.07	.09					T	T	.14			.16	.03		.14						.10	.67	.12							1.52
HANNAH		.03								.06			.05			.03					.12	T	.01	.21					.12			.63
HANSBORO		.06				T			T	.02			.03	T	.03		T			.05	.14	T	T	.16				T				.49
HARVEY WATER WORKS		T	T			T		T				T		T	.05			T		.20	.03	.02	T	.10				.03		T		.43
HAYNES 6 NE	R	*	.15						.09				.04	.05							.05	.11	*	.15								.64
HAZELTON RR STATION	8//	.10	.08						.15				.10	.01	.02		.10			.07		*	*	.72				.05				1.40
HILLSBORO		.20	.04			T		T	T	T			.08		.10		.07			.19	.14	.02	T	.74				T			T	1.58
HURDSFIELD	R	.04	.09						.08				.15	*	*	*	*	*	*	.29	*	*	*	*	.70			.10				1.46
JAMESTOWN CAA	Z	T .31	.18	T			T	T	.06	.01			.15	.02	.02		.12			.31		.34	.95	.30	T			.20		.01	T	2.88
JAMESTOWN STATE BOSP		.12	T						T	.03			.13				.05			.23	T	T	.21	.14				T		T	T	.91
KENMARE						T				.03			T	.08	.15		.05			.08	.06	.05	.07	.15	.04			.05				.81
KENSAL WILDLIFE REFUGE		.15							.07					.18	.06		T			.10	.05	.01		.40				.15				1.17
KRAMER 5 SE	R								*	*	*	*	.17	*	*	*	*	*	*	.23	*	*	*	*	*	*	*	.38				.78
LA MOURE		T .03	.09							T	T		.12		.04		.04			.08		.08	.06	.35				.03		.01		.93
LANGDON EXP FARM		.19	.06							.13			.20	.05	.04		.08			.04	.10	.05		.58				.20				1.72
LARIMORE		.17								.16											.43				.88							1.64
LEEDS		.05				.02				.04			.16	.05			T			.12	.14	.04	.02	.47				.12				1.23
LINTON			.18							.02			.08		.02		.07			T		.06	.15	.05								.63 E
LISBON			.09	.06										.06			.07			T	.15	T	.05	.26					T		.03	.77
MADDOCK AGR SCHOOL		.08				T			T				.24		.04		T			.20	.07	.06	.04	.74				.09	T		T	1.56
MANDAN EXP STATION	Z	.01	T							.05			.06	.07	.03		.04	T		.23		.05	.04	.15				T	.02		T	.75
MANDAN FT LINCOLN PARK									.05	.06			.13		.04		.09			.22		.06	.11	.19			*	.04				.99
MARMARTH		T	T						.04					.05	T	T	T			T	T	.38	.08	T				.08				.63
MARTIN		T											.11							.15	.07	.05	T	.19				T				.57
MAX		T								T			.05	.10	.03		T	.03		.10	.10	.05	.10	.10	.05			.05				.76
MAYVILLE		.07	.06			T	.03	T	T	.06			.07	.06	.02		.04			.21	.23	.07	.08	.55				.04			T	1.59
MC CLOSKY		.07	.02							.03			.22				.08			.21	.08	.16	.05	.51				.10				1.53
MC GREGOR RR STATION	8													-						.32		-	-	-	-	-	-					-
MC HENRY 5 N		.14	.04			T			T	.17			.11	T	T		.08			.07	.10	.07	T	.34				.11			T	1.23
MC LEOD 3 E		.06	.17						.08				.02		.07		.10			.21		.11		.40							.03	1.25
MC VILLE		.31											.32							.25	.10			.40				.04				1.42
MEDINA 1 W		.02	.01											.10						.40				.50								1.03
MEDORA T R N M P									.01				.01	.06			.07			.12		.05	.19	.02		T			.03			.56
MELVILLE		.14	.08						.02				.06		.08		.02			.22			.15	.10				-				-
MINOT CAA	Z	T .05	T			.01	T	T	.03			T	.11	.04	T		.05	T	T	.19	T	.10	.16	.09	T		.08	.16				1.07
MINOT EXP FARM		.01				.01		T	.01				.11	.01	.01		T			.10	.04	.03	.01	.08			T	.11				.53
MOFFITT RR STATION		.15								.13			.10							.20		T	.06	.38				T				1.02
MOHALL		.03				T		T					.08	.07			.02			.05	.14	.04	.02	.09			T	.13				.67
MONTPELIER		.04	.04	.01						.02				.03	.01	T	.08	T		.07	.12	.05	.01	.34	.03			T	.09		.03	.97
MOTT	2	.04							.02				.03	.07			.04					*	.16	.10				.05				.51
MUNICH 4 SW		T .12				T	T		T	.08			.08	.06			.07			.06	.07	.05	.03	.43				.12				1.17
NAPOLEON 1 SE	Z	.10	.10							.08			.10		.12		.15			.10		.04	.11	.54	.03			.21		.01		1.69
NEW ENGLAND		T							T				.11	.06	.08		.19					.18	.14					.11				.87
NEW ROCKFORD		.10	.02			T			T	.09			.10		.06	T	T		T	.16	T	.21	.23	T				T				.97
NEW ROCKFORD 6 NW		.04				T			T	.05			.13		.08		.04			.12	.09	.08	.04	.25				.04				.97
NEW SALEM 1 S								T	.04				.14	.03	T		.07			.11		.07	.22	.02				.07				.77
OAKES	Z		.17	.12						T			-	-			.09	.04					.12	.60		.12				T		-
PARK RIVER		.05							T				.03	.05			.03			05	.12	T		.47				.02				.82
PARSHALL									T				.15	.07			.07			.20	.15	.10	.18	.10			T	.20				1.20
PEMBINA CAA	Z	T .03	.06	T		T		T	.03	.01	T		.05	T	.03		.04			.04	.09	T	.02	.31	.05	T	.01	.06			.02	.85
PETTIBONE	Z	*	.28							.07			.09		.04		.02			.36	T	.16	.06	.96	T			.04	T			2.08
PORTAL		.06								T	T	T		.12			.12			.06			.35	.43			T	.10				1.24

See reference notes following Station Index

DAILY PRECIPITATION

Table 3—Continued

Station	Day of month																											Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PRETTY ROCK		.04		T			T		.05	.05	T	.05	.02	.11	.05		T			T		.20	.09	.08						.04	.03	.81
REEDER 14 W R		T								T			.01	.02	.03		T					T	.21	.05	.01				T			.33
RICHARDTON ABBEY		.01							.07				.15	.04	.06		.10			.15	T	.04	.24	.20	.01			.05			.01	1.13
RIVERDALE Z		T	T						T	.02			.08	.09	.03	T	.03	T		.19	.04	.09	.11	.10	.04		.01	.06	.05		T	.94
ROLETTE		-											.08	.02	.01		.04			.20	.04		.22					.15				-
ROLLA		.07	.01			.02			.05			.02	.18	.01	.05		.05			.09	.04	.03	.03	.24			T	.20				1.09
RUGBY	.01					T			.01				.19	.06			.03		.03	.07		.04	T	.38	T			.17			T	.99 E
RYDER				T		T				.05					.05		.10							.40	.10			.05	.15			.90
SANISH		T						T					-	.01	.07					.20	.16	.08	.12	.18			.01	.12				-
SARLES R//		.18	.04						.05				.17	.05	.05					.16	.04		.35	.15				.25				1.49
SELFRIDGE 11 W		.10					T	T	T	T	T			.09		.02	.05					.09	.12	.02			T	.08				.57
SHARON		.20							.07				.15	.08						.20	.10		.35	.08				.05				1.28
SHERWOOD		T				T		T	T			T	.10	.10						.01	.15	.09	.04	T				.10				.59
SHEYENNE		*	.10						.05				.16	.01	.05		.05			.25	.01	.05	.25	.12				.03				1.13
STANLEY													T				.03			.15	T	.23	.08					.17				.66
STEELE		.45	.03							.09			.06	.12			.17			.25		.09	.15	.17	.43			.05		T		2.06
TAGUS		.02				.01			T				.08	T	.03		.02			.10	T	.08	.06				.05	.05				.50
TIOGA							T		T			T	.07	.07			.15			.14	.13	.16										.72
TOWNER											.14	.17					.12			.08		.07		.29				.27				1.14
TROTTERS	.01	T							T		T	T	.03	.07			.04			.11		T	.24			T		.02				.52
TROTTERS GEN STORE													.02	.06			.04			.13		.02	.15									.42
TUTTLE 8 SW									.17				.11				.05					.10	.24	.40				.06				1.13
UNDERWOOD 12 W						T			T			.15		.05		T	.06			.12	.05	.16	.36				T	T				.95
UPHAM WILDLIFE REFUGE		.01				T			T	T		T	.15	.06			.06			.06	.10	T	T	.25	T		T	.20				.89
VALLEY CITY		.22	.02	.02					T	.04			.14		.02	.02				.29		.20	T	.56				.02		T		1.55
VAN HOOK	T	T							T				.04	.01	.03		.02			.16	.10	.08	.04	.05			T	.07				.60
VELVA		.03				T	T	T	.07				.22		.01		.07			.13	.10	.05	.03	.16				.18				1.05
VERONA			.18											.50						.16				*	.50					.04		1.38
WAHPETON POWER PLANT R			.10											.02			.08			.14		.16	.08	.26				.04		.07	.01	.96
WAHPETON STATE SCHOOL		T	*	.27					T				.15		.07		.06			.12		.19		.57						T	.03	1.46
WASHBURN		T							T	.05			.12		T	T				.34		.16		.81				.05				1.53
WATFORD CITY		.05											.02	.12			.09			.31		.15	.26	.15				.18				1.33
WESTHOPE						T							.15		.06					.15	.14	.15		.32				.06				1.03
WILDROSE		T												*	.30	.10				.07			.17					.16				.80
WILLISTON WB CITY R	T	.06	T	T		T		T	T		.02	.01	.01	.14	T	.01	.07	T	T	.33	T	.19	.13	.01	.03	T	.09	.11	T	T	T	1.21
WILLOW CITY		.04				T	T	T	.04				.12	T	.04		.02			.02	.06	.04	.16	.06				.18				.78
WILTON RR STATION			T							.04			.04	.09	.03		.03			.18	T	.14	.06	.26				-		.07		-
WISHEK			.11	.12						.03			T	.06	.06		.20	.03		.03		T	.01	.50	.07			T		T		1.22

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA

JANUARY 1950

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—2d—																										
AMIDON											*	*	.03													.03
ASBLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR														.01												.01
BISMARCK WB AIRPORT							.01																			.01
BREIEN		.01	.02	.01	.01														.01	.01	.01	.01	.01	.01	.02	.13
CARSON																									.01	.01
DAWSON				.04	.03	.02		.03	.01																	.13
DEVILS LAKE WB CITY						.01	.01	.01	.01				-			.01										.05
DICKINSON CAA			.01	.01																						.02
FARGO WB AIRPORT	//										.01	.01		.03	.02	.01	.01							.01		.10
FORT YATES					.03	.01	.02																			.06
GRAND FORKS CAA	//						.01		.01	.01	.02	.01	.01		.01	.01						.01	.01		.01	.12
GRANO	//											.01	.01													.02
HAYNES 6 NE																	*	*	*	*	*	*	*	*	*	*
HAZELTON R R STATION	//		.02	.01		.01	.02	.01	.01														.02			.10
HURDSFIELD			.01	.01	.01																				.01	.04
MANDAN EXP STATION														.01												.01
MELVILLE					.04	.01	.01	.01	.02		.01	.01			.01						.01			.01		.14
MINOT CAA	//		.01	.01	.01	.01	.02	.01																		.07
MOTT																		.01	.01	.01	.01					.04
NAPOLEON 1 SE					.01	.02	.02	.01	.01		.01														.01	.09
OAKES												.03	.02	.01												.06
PEMBINA CAA	//	*	*	*	*	*	*	*	*	*	*	*	.03					.01		.01				.01		.06
RICHARDTON ABBEY										.01																.01
ROLETTE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-
SARLES 3 E	//							.01		.01	.02	.01	.01	.02	.02	.03	.01	.01	.01	.01				.01		.18
SHEYENNE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
WILLISTON WB CITY			.01	.03	.02																					.06
—3d—																										
BREIEN		.01	.01																							.02
CARSON			.01		.01																					.02
FARGO WB AIRPORT	//		.01	.01	.01	.01	.02			.02	.01	.01	.01	.02	.01	.01										.15
FORT YATES							.01																			.01
GRAND FORKS CAA	//	.01	.01	.01					.01	.01	.01	.01	.01	.01	.01	.03	.04		.01							.18
HAYNES 6 NE		*	.15																							.15
HAZELTON R R STATION	//	.02	.01	.02	.01				.01	.01																.08
HURDSFIELD			.01																*	*	*	*	*	*	.08	.09
MELVILLE		.01	.01	.01			.01	.03	.01																	.08
NAPOLEON 1 SE		.01	.01	.01			.01	.02		.02	.01	.01	.01													.11
OAKES		.02	.01	.01	.03	.01	.01	.01	.01	.01	.01	.01	.01			.01	.01			.01		.01		.01		.20
PEMBINA CAA	//	-	-	-	-	-	-	-	-	-	-	-														-
SARLES 3 E	//	.01		.01											.01		.01									.04
SHEYENNE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.10	.10
WAHPETON POWER PLANT		*	*	*	*	*	*	*	*	*	*	*	*	.10												.10
—4th—																										
FARGO WB AIRPORT	//						.01																			.01
—5th—																										
DEVILS LAKE WB CITY														.01												.01
—9th—																										
AMIDON														.01	.02	.01										.04
BALFOUR																		.01	.01							.02
BISMARCK WB AIRPORT																	.02	.02	.03	.03	.03					.13
BOWMAN COU T HOUSE	//															.01										.01
BREIEN														-	-	-	-	-	-	-	-	-	-	-	-	-
CARSON																	.01	.02	.01	.01						.05
DAWSON																	.01	.01	.01	.04	.01	.01				.09
DEVILS LAKE WB CITY																		.01				.03	.03	.01		.08
DICKINSON CAA															*	*	.10									.10
FARGO WB AIRPORT	//																							.01	.01	.02
FORT YATES																		.02								.02
GRAND FORKS CAA	//																			.01	.02	.01		.01		.05
GRANO	//													*	*	*	*	*	.05							.05
HAYNES 6 NE														.01	.04	.01	.01	.01	.01							.09
HAZELTON R R STATION	//													*	*	*	*	*	*	*	*	*	*	*	.15	.15
HURDSFIELD																					.04	.01	.02	.01	.01	.09
KRAMER 5 SE														*	*	*	*	*	*	*	*	*	*	*	*	*
MANDAN EXP STATION																			.03							.03
MELVILLE																				*	*	*	*	*	.02	.02
MINOT CAA	//																	.02	.02							.04
MOTT														*	*	*	*	*	.02							.02
NAPOLEON 1 SE																					.01	.01				.02
PEMBINA CAA	//												-	-	-	-	-	-	-	-	-	-	-	-	-	-
RICHARDTON ABBEY															.02	.03	.02									.07
RIVERDALE										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SARLES 3 E	//															.01			.01	.01	.01	.01				.05
SHEYENNE																				.01	.02	.02				.05
—10th—																										
FARGO WB AIRPORT	//	.01	.01																							.02
GRAND FORKS CAA	//		.01	.01																						.02
NAPOLEON 1 SE		.01	.01	.01																						.03
PEMBINA CAA	//	-	-	-	-	-																				-
—11th—																										
WILLISTON WB CITY																						.01			.01	.02
—12th—																										
WILLISTON WB CITY												.01														.01
—13th—																										
BALFOUR		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.10					.10
BEACH							.01				.02															.03
BISMARCK WB AIRPORT						.01	.01	.01	.01	.01	.01	.02	.01	.01												.10
BOWMAN COURT HOUSE	//									.01	.01															.02
BREIEN						.01	.01	.01		.05	.02															.10
CARSON						.01	.02	.01	.02	.03	.01	.01														.11
DAWSON										.01	.01	.01	.01	.01	.01	.01		.01		.01						.09
DEVILS LAKE WB CITY										.01	.01	.02	.02	.02	.02	.01	.01	.01			.01					.14
DICKINSON CAA					.01	.03	.02	.01		.01		.01		.01												.10
FARGO WB AIRPORT	//												.01	.02	.01		.02	.03	.03	.01	.01	.01				.15
FORT YATES					.01	.01	.01		.02		.01															.08
GLEN ULLIN								.01	.03	.01	.01	.01	.02		.01											.10
GRAND FORKS CAA	//													-	-	-	-	-	-	-	-	-	-	-	-	-

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
GRANO	//							*	*	*	*	*	*	*	*	*	*	*	.16							.16
HAYNES 6 NE								*	*	*	*	*	.04													.04
HAZELTON R R STATION	//								.01	.01	.01	.02		.01	.02	.02										.10
HURDSFIELD										.04	.01	.01	.01	.01	.01	.02	.01	.01		.01				.01		.1S
KRAMER S SE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.17	.17
MANDAN EXP STATION		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.1S									.1S
MELVILLE																	.03				.01	.01			.01	.06
MINOT CAA	//	*	*	*	*	*	*	*	*	*	*	*	.13													.13
MOTT								.01	.01		.01															.03
NAPOLEON 1 SE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OAKES														.02	.02	.01		.01		.01						.07
PEMBINA CAA	//															.01	.01	.01	.01		.01		.01	.02	.01	.09
RICHARDTON ABBEY				.02	.01	.01	.03	.03	.02	.03																.15
RIVERDALE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.20							.20
ROLETTE										.03	.02				.01	.01	.01									.08
SARLES 3 E	//											.02	.01	.01	.01	.02	.01	.03	.01	.01	.01	.02		.01		.17
SHEYENNE								.01		.02	.02	.01	.02	.01	.01	.02	.01		.01	.01		.01				.16
TROTTERS GEN STORE		*	*	*	*	*	*	*	.02																	.02
WILLISTON WB CITY													.01													.01
													—14th—													
AMIDON																	.01	.03			.01					.05
BISMARCK WB AIRPORT																					.01	.01	.01			.03
BOWMAN COURT HOUSE	//															.01	.03	.01	.02							.07
BREIEN																				.01	.01	.01				.03
CARSON																	*	*	*	.0B						.0B
DAWSON																							.01	.02		.03
DICKINSON CAA																	.01	.02	.06	.03	.01					.13
FORT YATES																			.01		.01					.02
GLEN ULLIN																		.02	.03	.01	.01					.07
GRANO	//																			.01	.01	.01		.01		.04
HAYNES 6 NE																	*	*	*	*	.0S					.0S
HAZELTON R R STATION	//																							.01		.01
HURDSFIELD		.01																		*	*	*	*	*	*	*
KRAMER S SE																				*	*	*	*	*	*	*
MC GREGOR RR STATION							-	-	-	-	-	-	-	-	-	-	-	-								-
MINOT CAA	//																				.01	.01	.01	.01		.04
MOTT																	.02		.01	.01						.04
OAKES																									.01	.01
PEMBINA CAA	//	.01																								.01
RICHARDTON ABBEY																		.0S	.02	.01						.0B
RIVERDALE																							*	*	*	*
ROLETTE																						.01		.01		.02
SARLES 3 E	//																					.01	.02	.01	.01	.05
SHEYENNE																									.01	.01
TROTTERS GEN STORE																										.06
WAHPETON POWER PLANT															*	*	*	*	*	*	*	*	*	.02		.02
WILLISTON WB CITY											.01	.01	.01	.01		.02	.03	.02	.02	.01						.14
													—15th—													
DEVILS LAKE WB CITY				.01	.01	.01																				.03
FARGO WB AIRPORT	//		.02								.02															.04
GRAND FORKS CAA	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO	//										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HAZELTON R R STATION	//	.01	.01																							.02
MANDAN EXP STATION				.02		.01	.02																			.0S
MELVILLE						.01		.01		.01				.01	.02	.01	.01									.0B
OAKES		.01	.01																							.02
PEMBINA CAA	//	-	-	-	-	-	-	-	-	-	-	-														-
ROLETTE			.01																							.01
SARLES 3 E	//	.01	.01	.01	.01			.01																		.05
SHEYENNE			.01						.01		.01				.01							.01				.05
													—16th—													
BREIEN																									.01	.01
CARSON																									.01	.01
WILLISTON WB CITY																									.01	.01
													—17th—													
AMIDON		.01		.01																						.02
ASHLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-
BEACH		*	*	*	*	*	*	*	*	*	*	*	.07													.07
BISMARCK WB AIRPORT				.01	.02	.02							.01													.06
BREIEN		.03	.02	.01																						.06
CARSON		.04	.02	.02																						.0B
DAWSON				.02	.01	.03		.01																		.07
DEVILS LAKE WB CITY									.01	.01	.01	.01														.04
DICKINSON CAA			.02	.06	.03	.01	.01																			.13
FARGO WB AIRPORT	//			.02	.01	.02	.02	.02			.03					.02										.14
FORT YATES		.01	.0S	.02	.02																					.10
GLEN ULLIN			.0S	.03	.02					.01		.01														.12
GRAND FORKS CAA	//														.01		.01									.02
GRANO	//	*	*	*	*	*	*	*	*	*	*	*	.2S													.25
HAZELTON R R STATION	//		.02	.05	.02	.01																				.10
MANDAN EXP STATION		-	-	-	-	-	-	-																		-
MELVILLE					.01		.01																			.02
MINOT CAA	//	-	-	-	-	-	-	-	-	-	-	-	-													-
MOTT		*	*	*	*	*	*	*	*	*	*	*	.0S													.0S
NAPOLEON 1 SE		*	*	*	*	*	*	*	*	*	*	*	.22													.22
OAKES				.0S			.01	.01				.01			.01											.09
PEMBINA CAA	//										.01	.01	.01	.01		.01										.05
RICHARDTON ABBEY			.04	.0S						.02		.01														.12
RIVERDALE		*	*	*	*	*	*	*	.10																	.10
ROLETTE									.03	.01																.04
SHEYENNE								.02	.02		.01															.05
TROTTERS GEN STORE			.01		.01			.01		.01																.04
WAHPETON POWER PLANT								.01	.01	.02	.03	.01														.0B
WILLISTON WB CITY				.01	.01	.02	.01		.01	.01																.07
													—20th—													
BALFOUR		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.30							.30
BEACH				.01	.05	.03	.01																			.10
BISMARCK WB AIRPORT					.01	.02	.04	.0S	.0S	.04	.01															.22
BOWMAN COURT HOUSE	//				.01	.01																				.02
BREIEN					.02																					.02
CARSON				.02	.01	.01																				.04
DAWSON							.03	.07	.0B	.02		.01														.21
DEVILS LAKE WB CITY								.02	.03	.03	.01	.01										.01	.03	.03	.02	.19
DICKINSON CAA			.01	.01	.04	.03	.01																			.10

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
FARGO WB AIRPORT //									.05	.05	.04	.01											.03	.02	.20
GLEN ULLIN			.06	.06	.01	.04	.01																		.18
GRAND FORKS CAA //								.01	.05	.02	.01											.02	.02	.03	.16
GRANO //				.02	.03	.02	.01	.01	.01			.02										.01	.01	.01	.15
HAZELTON R R STATION //					.02	.01	.02	.01	.01																.07
HUROSFIELD	*	*	*	*	*	*	*	*	*	.22												.01	.02	.03	.29
KRAMER 5 SE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.23	.23
MANDAN EXP STATION				.01	.07	.05	.05	.02																	.20
MC GREGOR RR STATION	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.32							.32
MELVILLE							.01	.05	.04	.06	.02										.01	.02	.01		.22
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.18	.18
NAPOLEON 1 SE							.05	.01	.01																.07
OAKES									.01	.01	.01														.03
PEMBINA CAA //									.01		.02												.01	.02	.06
RICRARDTON ABBEY			.03	.06	.02	.02		.01	.01																.15
RIVEROALE				.01	.03	.06	.07												.01	.02					.20
ROLETTE						.02	.01	.02			.01	.01						.01	.01	.01	.03	.02	.03	.02	.20
SARLES 3 E //							.02	.05	.01	.01	.01												.04	.02	.16
SHEYENNE							.01	.07	.03	.02		.01									.03	.03	.04	.01	.25
TROTTERS GEN STORE	.01	.03	.03	.03	.01	.01	.01																		.13
WAHPETON POWER PLANT								.01	.01	.02	.06	.04													.14
WILLISTON WB CITY			.02	.04	.08	.01	.01										.02	.08	.05	.01	.01				.33
—21st—																									
AMIOON																								.04	.04
BALFOUR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
BEACB																								.01	.01
BOWMAN COURT HOUSE //																						.03	.08	.03	.14
OEVILS LAKE WB CITY	.01																								.01
DICKINSON CAA		.01	.01		.01																			.01	.04
GRAND FORKS CAA //	.01	.01	.01																						.03
GRANO //	.02																								.02
BAYNES 6 NE																								.05	.05
HURDSFIELD																			*	*	*	*	*	*	*
MOTT																								.04	.04
PEMBINA CAA //	.01	.03	.01		.01	.01						.01	.01		.02		.01								.12
ROLETTE	.03	.01																							.04
SARLES 3 E //	.02	.01	.01																						.04
SHEYENNE			.01																						.01
—22d—																									
AMIDON	.01								.01	.03	.01														.06
ASBLEY //														*	*	*	.05								.05
BEACB		.01	.01						.01	.01															.04
BISMARCK WB AIRPORT			.01	.01	.02	.02					.01	.01	.01	.01						.02	.01	.01			.14
BOWMAN COURT BOUSE //	.01								.01	.09	.10			.01		.02									.24
BREIEN		.02	.01						.01	.07							.01								.12
CARSON	.04	.01	.01					.01		.10		.01								.01					.19
OAWSON																	*	.03	.01	.01	.01	.01			.07
DEVILS LAKE WB CITY												.01		.01											.02
OICKINSON CAA	.01	.03																						.01	.05
FARGO WB AIRPORT //									.02	.01					.01										.04
FORT YATES												.02	.03	.03											.08
GLEN ULLIN																		.04	.01	.02					.07
GRAND FORKS CAA //															.01	.01									.02
GRANO //								.01	.01	.01	.01	.01													.05
HAYNES 6 NE	.02									.03	.06														.11
HAZELTON R R STATION //							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
KRAMER 5 SE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MANDAN EXP STATION		.01	.02	.02										.01				.01		.01					.08
MC GREGOR RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINOT CAA //		.01			.01							.02	.03											.03	.10
MOTT								.01	.04	.01	.01														.07
OAKES														.02	.04	.03									.09
RICBARDTON ABBEY											.01		.01				.02	.02	.01			.01		.01	.09
RIVERDALE			.02	.03				.03	.01		.01														.10
SHEYENNE													.01	.03	.01										.05
TROTTERS GEN STORE																					.01	.01			.02
WAHPETON POWER PLANT									*	*	*	*	*	*	.16										.16
WILLISTON WB CITY		.01	.03	.02		.02			.03	.02							.01	.02	.01				.01	.01	.19
—23d—																									
AMIDON												.01	.01	.04	.01	.02	.01								.10
ASHLEY //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEACB														.03											.03
BISMARCK WB AIRPORT												.01		.01	.01	.02	.02	.03	.03	.03	.03	.01	.01	.01	.22
BOWMAN COURTBOUSE //											.01	.01	.07	.03	.01					.01				.01	.15
BREIEN										.01					.04	.06	.08	.07	.04						.30
CARSON			.01												.01	.04	.02	.01	.01	.01					.11
OAWSON		.01		.01		.01	.02			.01														.01	.07
OEVILS LAKE WB CITY																		.01	.02	.02	.02	.02	.07	.06	.22
OICKINSON CAA	.01								.01	.01		.01		.01	.02	.04	.05	.03	.02			.01		.01	.23
FARGO WB AIRPORT //										.01								.01				.02	.03	.05	.12
FORT YATES																.02	.06	.08	.04	.02	.01		.01		.24
GLEN ULLIN																.01	.02	.05	.05	.01	.05	.03	.01		.23
GRAND FORKS CAA //							.01													.01		.01	.03	.03	.09
GRANO //								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HAYNES 6 NE														*	*	*	*	*	*	*	*	*	*	*	*
MANOAN EXP STATION							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MELVILLE																			.04	.01	.03	.02	.03	.02	.15
MINOT CAA //		.01		.01												.01	.01	.03	.04	.05	.04	.02	.02	.03	.27
MOTT															.02	.01		.01	.02	.01	.01	.01			.09
NAPOLEON 1 SE																	.01	.02	.02	.05	.09	.01	.01	.01	.22
OAKES																		.03	.01	.04	.08	.07	.08	.06	.37
RICHARDTON ABBEY													.01	.01	.08	.08	.09	.06	.01		.01		.01		.36
RIVERDALE										.01							.01	.02	.01	.02	.01				.08
ROLETTE																			.03	.01	.03	.05	.06	.04	.22
SARLES 3 E //																			.05	.05	.04	.04	.07	.10	.35
SHEYENNE																	.01	.01	.01	.03	.02	.06	.01	.10	.25
TROTTERS GEN STORE									.01		.01	.01	.01	.02	.03	.04	.02								.15
WAHPETON POWER PLANT																							.03	.05	.08
WILLISTON WB CITY				.01		.01										.01	.01	.04	.02		.01		.01	.01	.13
—24th—																									
AMIDON	.01																								.01
ASHLEY //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR	*	*	*	*	*	*	*	*	*	*	*	.17													.17
BISMARCK WB AIRPORT	-			.01		.01	.01	.02	.01																.06
BOWMAN COURT BOUSE //	.01				.01				.01																.03
CARSON									.01	.01	.01														.03
DAWSON	.01																		.02	.02	.02	.01	.01	.01	.10

See reference notes following Station Index.

HOURLY PRECIPITATION

Table 4-Continued

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
DEVILS LAKE WB CITY		.05	.01	.01	.03	.04	.02	.01																		.17
OICKINSON CAA			.01	.01	.01	.02	.01																			.06
FARGO WB AIRPORT	//	.06	.03	.10	.04			.02	.03	.02						.01	.01									.32
FORT YATES				.02			.01																			.03
GLEN ULLIN		.01	.01	.01		.01																				.04
GRAND FORKS CAA	//	.06	.07	.04	.03	.02	.03	.04	.03						.01	.01	.01	.01								.36
GRANO	//	*	*	*	*	*	*	*	*	*	*	*	*	.20	-	-	-	-	-	-	-	-	-	-	-	-
HAYNES 6 NE		*	*	.15																						.15
RAZELTON R R STATION	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.72	.72
MANDAN EXP STATION		*	*	*	*	*	*	*	*	*	*	*	.12													.12
MELVILLE			.01		.01	.01	.01		.01	.01	.02				.01				.01							.10
MINOT CAA	//	.02	.02	.01		.03	.01	.01																		.10
NAPOLEON 1 SE		.01	.01	.03	.02	.01					.01	.02	.03	.04	.03	.02	.01	.02	.01	.01						.28
OAKES		.01	.02	.07	.01		.06	.04			.01		.01	*	*	.06										.29
PEMBINA CAA	//	.01	.02	.02	.05	.04	.01					.01		.02	.01	.02	.03	.01	.01	.01	.01					.28
RICHARDTON ABBEY		.01	.01																							.02
RIVERDALE										.01	.01		.01		.01	.01										.05
SARLES 3 E	//	.10	.03	.02																						.15
SHEYENNE			.01	.03	.02	.05	.01																			.12
WAHPETON POWER PLANT		.02	.03	.05	.01	.01			.01	.07	.02		.04													.26
WILLISTON WB CITY							.01																			.01
—25th—																										
OAWSON		.01	.02	.03	.05																					.11
GRAND FORKS CAA	//																								.01	.01
HUROSFIELD		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.70								.70
NAPOLEON 1 SE		.01	.01	.01																						.03
PEMBINA CAA	//	.01		.01																						.02
WILLISTON WB CITY										.02	.01															.03
—27th—																										
BALFOUR																				*	*	*	*	*	*	*
GRANO	//																							.01	.01	.02
MINOT CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PEMBINA CAA	//							.01	.01	.01	.01		.01													.05
ROLETTE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
WILLISTON WB CITY						.01																	.01	.04	.03	.09
—28th—																										
ASHLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-
BALFOUR		*	*	*	*	*	*	*	*	*	*	*	.10													.10
BEACH						.01	.02																			.03
BISMARCK WB AIRPORT											.01	.01	.01													.03
BOWMAN COURT HOUSE	//										.01	.01		.01												.03
BREIEN									-	-	-	-	-	-	-	-	-	-								-
OAWSON															.01		.01									.02
OEVILS LAKE WB CITY									.01		.01	.01	.01													.04
OICKINSON CAA															.01	.01	.01	.01								.04
FARGO WB AIRPORT	//														.02											.02
GRAND FORKS CAA	//														.02	.02										.04
GRANO	//	.02	.01	.04	.01		.02	.01	.01	.01	.01		.01	.01	.01	.02	.03									.22
HAZELTON R R STATION	//													.02	.01	.01	.01									.05
HURDSFIELD														.01	.01	.02	.01	.01	.03	.01						.10
KRAMER 5 SE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.38							.38
MANDAN EXP STATION												.02														.02
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MELVILLE							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
MINOT CAA	//	*	*	*	*	*	*	*	*	*	*	*	.18													.18
MOTT										.01	.03															.04
NAPOLEON 1 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-											-
PEMBINA CAA	//			.01	.01	.01	.01	.01	.01	.01		.01														.08
RICHARDTON ABBEY							.01	.01	.01	.01	.01															.05
RIVERDALE					.01	.01	.03	.02	.01	.01	.01															.10
ROLETTE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.15					.15
SARLES 3 E	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.25	.25
SHEYENNE											.01	.01	.01													.03
WAHPETON POWER PLANT														.04												.04
WILLISTON WB CITY		.01	.02	.02	.02	.02					.01	.01														.11
—30th—																										
OAKES															*	*	*	*	*	*	*	*	*	*	.07	.07
PEMBINA CAA	//															.01		.01								.02
WAHPETON POWER PLANT														.02	.03								.01		.01	.07
—31st—																										
FARGO WB AIRPORT	//		.01		.01		.01																			.03
WAHPETON POWER PLANT			.01																							.01

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	17	- 3	- 8	- 1	9	23	6	11	4	00	26	8	- 9	-15	-15	- 5	-12	3	4	10	42	26	00	- 1	-17	- 6	- 6	- 4	- 4	-11	8	2.5
	MIN	- 4	- 8	-22	-29	-13	2	-18	- 3	-10	-16	-13	-15	-18	-27	-27	-25	-23	-29	-18	- 4	2	- 1	- 8	-19	-32	-33	-23	-15	-23	-21	-22	-16.6
AMENIA	MAX	20	4	- 5	- 4	6	00	- 5	7	6	3	26	25	1	- 6	- 8	- 9	-10	- 3	- 5	6	22	11	2	19	5	-16	- 4	00	- 1	- 4	00	2.7
	MIN	- 2	- 7	-17	-19	-21	-17	-24	- 7	- 7	-12	-16	- 2	-12	-21	-15	-24	-18	-30	-22	-12	-12	- 8	-11	-11	-23	-29	-26	-17	-28	-33	-21	-16.9
AMIDON	MAX	20	- 5	- 9	00	13	25	25	30	11	2	34	12	- 4	-16	-12	- 5	-11	9	8	16	45	39	5	00	-20	8	7	- 1	1	- 8	7	7.4
	MIN	- 5	-13	-25	-27	-13	2	- 5	2	- 5	-16	- 4	-12	-16	-23	-31	-25	-26	-29	-18	2	9	3	- 5	-21	-32	-31	-13	-15	-23	-19	-20	-14.6
ARVILLA STATE PARK	MAX	11	- 3	- 6	-12	1	- 1	-10	- 1	- 2	1	21	20	- 7	- 9	- 7	-15	-14	-12	- 6	4	9	5	- 2	14	-11	-16	- 8	- 1	- 7	-12	- 8	- 2.7
	MIN	-17	-10	-18	-26	-28	-22	-33	-12	-12	-15	-24	- 8	-19	-20	-17	-24	-30	-34	-31	-14	-10	-10	-15	-11	-34	-30	-34	-23	-33	-37	-27	-21.9
ASHLEY	MAX	18	2	- 6	-11	3	13	10	11	5	00	27	22	- 6	- 8	-12	- 6	-10	- 6	- 3	7	25	28	00	18	-12	- 9	- 6	- 2	- 8	2	- 1	2.7
	MIN	1	- 9	-17	-27	-19	- 8	-20	- 7	-14	-15	-15	-10	-14	-22	-19	-27	-16	-27	-20	- 5	- 1	- 1	- 8	-13	-25	-33	-19	-13	-28	-25	-18	-15.9
BALDRILL OAM	MAX				34	-10	4			6	2	- 4	25	- 2					-12	- 6	00	11		14	25		-14	-12			2	00	
	MIN				-21	-22	-19			-28	-14	-18	- 7	-15			-30	-16	-20	-26	-24	- 6		-14	-19		-38	-24			-34	-28	
BEACH	MAX	28	- 8	- 4	3	12	23	24	24	6	4	33	00	- 8	-12	-15	- 2	- 9	10	10	15	42	31	8	- 2	-17	9	4	00	2	- 6	7	6.8
	MIN	- 8	-17	-28	-28	-12	00	- 5	- 4	- 4	-21	- 3	-12	-19	-22	-32	-29	-26	-28	-19	3	11	5	- 2	-24	-34	-29	-19	-17	-28	-26	-18	-16.0
BELCOURT INDIAN RES	MAX	7	- 5	-14	-15	- 2	- 9	-10	4	- 5	1	12	4	-15	-11	-13	-10	-15	-13	- 7	9	9	4	-14	-11	-14	-18	- 4	00	-15	-16	-11	- 6.4
	MIN	-10	-17	-28	-42	-28	-21	-32	-13	-11	-25	-14	-18	-22	-28	-26	-36	-36	-39	-39	-15	- 7	-15	-23	-25	-33	-42	-33	-20	-39	-36	-30	-25.9
BELFIELD	MAX	5	- 5	-13	6	18	18	12	14	3	3	36	2	- 7	-12	-14	- 2	-10	10	10	16	45	35	6	- 3	-18	6	5	- 4	3	- 5	2	5.3
	MIN	- 9	-13	-27	-28	-14	- 3	-13	- 2	- 7	-19	- 7	-13	-20	-23	-28	-29	-28	-33	-18	2	5	1	- 3	-23	-35	-36	-22	-16	-29	-26	-22	-17.4
BISBEE	MAX			-12	-13	1	2	- 4	2	- 2	- 4	11	5	12	-12	-15	-18	-15	-16	- 9	5	8	6	-10	- 7	-16	-18	-12	00	-12	-20	-11	- 6.0
	MIN		-13	-23	-30	-24	-24	-26	-17	- 4	-21	-19	-13	-20	-27	-23	-28	-26	-37	-29	-10	- 6	-10	-18	-17	-31	-38	-32	-22	-36	-36	-29	-23.0

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BISMARCK WB CITY	MAX	14	7	-2	-6	9	20	3	11	8	-3	24	20	-7	-7	-10	-6	-1	-3	-3	9	19	25	3	9	-14	-10	-8	-1	-4	-8	8	3.1
	MIN	-3	-5	-19	-31	-21	-15	-20	-8	-10	-16	-15	-11	-12	-27	-22	-25	-19	-39	-22	-6	00	3	-8	-14	-29	-36	-27	-17	-27	-29	-27	-18.0
BISMARCK WB AIRPORT	MAX	9	-1	-11	-7	9	21	2	12	00	-3	25	-1	-8	-15	-15	-6	-11	-5	1	11	25	12	5	6	-20	-11	-7	-1	-7	-10	6	00.2
	MIN	-3	-11	-19	-32	-22	-16	-21	-8	-11	-18	-14	-15	-23	-29	-25	-24	-31	-44	-23	-2	4	-5	-9	-20	-32	-38	-28	-18	-32	-35	-34	-20.6
BOTTINEAU	MAX	4	-3	-9	-14	00	4	-6	9	3	-4	10	-1	-12	-13	-16	-17	-12	-15	-10	10	5	7	-8	-4	-18	-18	-8	-5	-2	-6	-12	-7	-5.2
	MIN	-5	-12	-25	-32	-29	-18	-26	-10	-5	-22	-16	-16	-18	-28	-26	-32	-32	-38	-30	-14	-14	-10	-17	-18	-34	-41	-29	-16	-41	-38	-34	-23.5
BOWBELLS R R STATION	MAX				-18	-6	6	-4	6	1	-2	-3	8	-12	-16	-18	-24	-12	-18	-5	3	10	15	00	-10	-15	-21	14	-10	-10	-12	-9	-5.8
	MIN			-33	-35	-33	-20	-24	-14	-6	-23	-23	-20	-24	-30	-33	-30	-29	-34	-28	-25	-3	00	-16	-18	-35	-36	-34	-24	-36	-34	-29	-25.1
BOWMAN COURT HOUSE	MAX	20	-3	-11	1	4	19	19	11	11	-1	24	24	-1	-13	-13	-9	-7	4	6	10	42	43	6	-1	-18	-3	00	1	-3	-3	5	5.3
	MIN	-3	-12	-21	-27	-12	-4	-4	3	-5	-15	-5	-12	-15	-20	-27	-20	-19	-21	-15	2	12	5	-1	-20	-28	-28	-12	-14	-23	-18	-15	-12.7
BUTTE	MAX		-3	-10	-9	9	6	-4	7	2	-1	19	7	-10	-15	-15	-8	-13	-10	-3	6	22	12	-2	-4	-17	-14	-11	-5	-8	-8	00	-2.7
	MIN		-12	-25	-32	-17	-10	-17	-5	-11	-18	-10	-12	-18	-25	-24	-28	-22	-34	-21	-8	-4	-6	-14	-18	-34	-33	-22	-17	-28	-24	-24	-19.1
CARRINGTON	MAX	6	5	-7	-15	-8	-7	3	-7	7	1	-7	22	-4	-4	-17	-15	-15													-12	-10	
	MIN	-10	-10	-18	-24	-28	-16	-28	-23	-9	-11	-9	-7	-16	-26	-27	-27	-26	-31	-28	-24	-7	-4	-14	-14	-28	-38	-35	-20	-32	-28	-24	-20.7
CARSON 2 S W	MAX	16	-2	-7	-3	9	25	9	10	2	00	27	15	-10	-15	-15	-2	-11	3	-3	10	40	20	3	10	-18	-5	-5	-2	1	-8	7	3.3
	MIN	-4	-9	-22	-32	-15	-7	-18	-4	-12	-22	-13	-17	-17	-25	-27	-30	-32	-34	-24	-4	2	1	-8	-20	-35	-38	-20	-16	-30	-20	-25	-18.6
CAVALIER POWER PLANT	MAX	4	-2	-8	-9	3	2	-13	2	-2	-3	14	14	-6	-10	-10	-8	-15	-9	-10	7	10	8	-7	7	-9	-10	-7	00	-5	-7	-3	-2.6
	MIN	-17	-10	-21	-23	-24	-23	-30	-14	-9	-19	-20	-6	-20	-21	-20	-23	-22	-27	-29	-15	-5	-10	-18	-12	-30	-29	-32	-13	-31	-37	-25	-20.5
CENTER	MAX	7	-4	-8	-5	10	19	-3	10	-1	1	20	8	-10	-16	-16	-10	-13	00	-5	5	35	20	-1	-19		-8	-8	-4	-11	-12	6	-.4
	MIN	-6	-11	-25	-30	-23	-17	-24	-5	-11	-20	-15	-15	-20	-31	-27	-28	-28	-42	-22	-6	1	-4	-21	-37	-37	-26	-24		-34	-38	-33	-22.0
COOPERSTOWN	MAX	6	2	-7	-12	4	3	-8	7	3	00	24	24	-10	-10	-10	-15	-10	-9	-7	5	10	8	-5	15	10	-18	-7	00	-1	-13	-4	-.8
	MIN	-4	-11	-17	-21	-23	-20	-30	-13	-11	-18	-21	-15	-16	-27	-20	-28	-24	-37	-27	-14	-12	-10	-15	-11	-28	-35	-25	-15	-34	-32	-28	-20.7
CROSBY	MAX	18	-6	-9	-28	-12	1	-6	5	1	-1	-2	-1	-13	-14	-18	-24	-19	-20	-7	3	6	23	1	-10	-20	-19	-16	-10	-11	-15	-14	-7.6
	MIN	-19	-15	-28	-36	-33	-19	-23	-8	-8	-25	-25	-19	-24	-27	-29	-35	-30	-36	-31	-23	00	00	-13	-21	-38	-38	-33	-25	-36	-35	-35	-24.7
DEVILS LAKE W 8 CITY	MAX	4	-8	-16	-13	5	-4	00	4	-2	-4	19	-2	-13	-15	-17	-18	-14	-8	-7	3	9	3	1	5	-20	-18	-10	-1	-17	-16	-5	-5.6
	MIN	-10	-16	-22	-26	-19	-22	-27	-8	-10	-18	-13	-18	-18	-27	-26	-28	-30	-33	-26	-7	-3	-13	-16	-23	-28	-36	-22	-22	-33	-34	-24	-21.2
DICKINSON CAA	MAX	19	-6	-16	5	14	22	11	23	3	1	35	-4	-11	-16	-16	-5	-13	4	3	15	42	18	-1	-5	-21	-2	-5	-5	-1	-7	6	2.8
	MIN	-7	-18	-28	-28	-11	-7	-11	-3	-14	-20	-9	-15	-24	-23	-29	-26	-28	-30	-18	2	8	-2	-6	-26	-34	-35	-22	-20	-26	-26	-21	-18.0
DICKINSON EXP STATION	MAX	24	3	-5	-14	5	14	24	13	10	3	-1	34	-3	-9	-15	-14	-4	-13	4	5	36	42	7	-1	-16	-19	-3	-6	-4	00	8	3.4
	MIN	-3	-7	-25	-31	-29	-15	-13	-6	-6	-20	-20	-13	-15	-23	-28	-30	-16	-38	-30	-18	1	6	-5	-17	-36	-37	-33	-21	-31	-31	-28	-19.9
ORAKE	MAX	12	5	-4	-18	-9	8	00	4	7	-2	-3	21	1	-13	-16	-18	-12	-13	-6	1	6	22	-1	-1	-11	-21	-12	-9	-7	-4	-13	-3.4
	MIN	-12	-14	-24	-32	-31	-27	-25	-20	-10	-20	-20	-13	-21	-29	-29	-28	-28	-34	-30	-26	-4	00	-14	-14	-32	-37	-36	-23	-28	-34	-33	-23.5
DUNN CENTER	MAX	2	4	-3	-	00	15	22	5	11	2	1	29	-1	-9	-12	-17	-3	-11	2	4	19	41	5	-5	-14	-17	-7	-5	-4	-1	-6	1.5
	MIN	-7	-8	-27	-36	-21	-14	-21	-11	-10	-19	-13	-13	-23	-27	-28	-30	-20	-43	-24	-12	2	2	-12	-24	-36	-41	-35	-19	-33	-34	-39	-21.8
DUNSEITH ST SANITARIUM	MAX	-2	-3	-10	-15	-2	-3	-8	3	-2	-4	8	4	-8	-16	-18	-13	-15	-18	-8	10	7	10	-4	-8	-15	-16	-10	-2	-10	-17	-8	-6.2
	MIN	-8	-15	-27	-35	-26	-17	-28	-13	-10	-19	-18	-14	-20	-28	-24	-32	-32	-39	-29	-17	-7	-10	-20	-20	-32	-35	-33	-17	-40	-37	-30	-23.6
ECKMAN	MAX	3	3	-9	-14	-11	5	00	00	6	00	-1	9	-9	-9	-16	-18	-16	-16	-4	-2	9	15	00	-6	-14	-18	-11	-13	-5	-12	-1	-5.4
	MIN	-22	-11	-25	-38	-37	-27	-27	-19	-25	-21	-21	-14	-27	-29	-28	-28	-32	-41	-37	-30	-3	-1	-15	-16	-35	-41	-41	-25	-35	-43	-38	-26.8
EDGELEY EXP FARM	MAX	17	15	4	-6	4	17	11	12	4	00	28	24	-6	-10	-11	-16	-11	00	-3	6	14	12	00	17	-8	-11	-4	00	-4	2	-5	2.8
	MIN	-8	-11	-16	-24	-18	-25	-8	-6	-15	-18	-7	-11	-20	-22	-26	-20	-30	-21	-13	-4	-8	-10	-18	-24	-32	-27	-18	-30	-24	-22	-17.8	
EDMORE 1 W	MAX	3	3	-10	-14	4	-5	-10	00	-1	-3	10	10	-10	-13	-14	-18	-15	-18	-10	5	5	5	-10	2	-20	-20	-4	-5	-12	-24	-10	-8.4
	MIN	-11	-10	-23	-23	-27	-21	-31	-14	-11	-18	-23	-10	-23	-27	-20	-27	-29	-38	-32	-17	-7	-10	-18	-18	-31	-37	-34	-15	-37	-39	-31	-23.0
ELBOWOODS	MAX	17			14	15	1	8	6	12	15	00	-4	-11	-14	-10	-11	00	00	10	23	21	-5	-5	-2	-8	-8	-4	-8	-10	6	1.7
	MIN	-12		-31	-41	-32	-21	-27	-9	-14	-18	-16	-27	-25	-31	-32	-36	-32	-52	-25	-36	-24	-6	-14	-22	-33	-51	-35	-30	-42	-42	-42	-28.6
ELLENDALE	MAX	18	7	-4	-4	6	20	14	12	6	3	31	28	-1	-7	-5	-2	-7	4	-1	8	17	20	2	19	-8	-8	1	00	-2	1	9	5.7
	MIN	-6	-6	-14	-19	-19	-13	-22	-4	-8	-11	-13	-14	-10	-18	-16	-23	-13	-24	-16	-6	-2	2	-1	-10	-22	-30	-21	-13	-24	-24	-15	-14.0
EPPING	MAX	15	-7	-17	-12	5	13	8	5	00	-6	6	-5	-13	-16	-20	-15	-17	-12	-2	7	28	14	00	-12		-16	-17	-11	-7	-10	-7	-4.0
	MIN	-9	-18	-34	-33	-22	-13	-19		-18	-28	-11	-22	-22	-29	-35	-35	-30	-31	-26	-5	-7	-1	-25	-38		-38	-19	-35	-32	-37	-33	-25.5
FARGO WB AIRPORT	MAX	27	-1	-8	4	5	5	14	7	00	25	13	-1	-4	-4	-9	-8	-5	-8	7	13	9	15	20	-16	-15	-2	00	-12	-4	-2	1.8	
	MIN	-4	-8	-18	-19	-16	-17	-23	-3	-6	-15	-12	-6	-11	-20	-21	-23	-26	-31	-22	-9	-1	-6	-5	-16	-24	-32	-15	-12	-27	-25	-18	-15.8
FESSENDEN	MAX	9	00	-4	-6	4	5	-4	7	3	00	22	9	-10	-4	-11	-14	-12	-7	-6	5	20	12	7	-1	-8	-11	-10	-9	-16	-18	00	-1.5
	MIN	-16	-24	-23	-30	-15	-10	-25	-4	-10	-19	-16	-13	-18	-28	-24	-28	-22	-31	-23	-10	-5	-7	-14	-14	-31	-34	-25	-24	-32	-30	-24	-20.3
FORMAN	MAX	25	12	-5	-7	9	14	8	18	14	3	32	28	-1	-5	-6	-4	-7	2	-5	9	20	18	22	22	-9	-10	-1	-1	-1	5	1	6.5
	MIN	4	-6	-14	-17	-18	-8	-22	-6	-7	-12	-13	-4	-9	-19	-16	-23	-14	-26	-19	-8	-5	-1	-1	-9	-22	-32	-21	-15	-25	-23	-16	-13.8
FORT YATES	MAX	14	4	-5	-6	6	26	-3	9	5	1	30	17	-8	-8	-11	-3	-7	1	1	10	32	30	4	11	-13	-8	-9	00	-2	-4	8	3.8
	MIN	-13	-7	-17	-32	-19	-10	-20	-3	-15	-14	-12	-10	-12	-21	-22	-23	-19	-35	-23	00	3	-3	-4	-13	-27	-39	-24	-15	-27	-22	-25	-16.7
FOXHOLM WILDLIFE REF	MAX	5	00	-7	-10	12	-2	-3	2	2	00	10	2	-11	-12	-16	-13	-14	-6	-3	7	14	12	-10	-9	-20	-11	-12	-6	-10	-10	-2	-4.0
	MIN	-4	-11	-29	-40	-16	-29	-30	-4	-7	-20	-12	-14	-22	-25	-26	-28	-29	-40	-27	-5	-3	-4	-15	-22	-33	-32	-24	-17	-32	-38	-28	-21.5
FULLERTON	MAX	18	5	-5	-8	3	15	-5	11	5	2	30	28	-4	-9	-9	-4	-10	00	-5	6	19	15	00	7	-8	-6	10	00	-3	6	3	3.5
	MIN	1	-10	-15	-22	-18	-15	-24	-6	-9	-14	-15	-6	-12	-20	-16	-24	-15	-27	-19	-10	-5	00	-8	-8	-23	-32	-24	-15	-27	-23	-18	-15.5
GACKLE	MAX									27	-1	26	24			-13	-10	-12	-5	-6	5	25		25	12	-13	-10	-8	-4	-8	-7	00	
	MIN									-23	-17	-16	-14			-23	-25	-20	-30	-20	-7	-6		-12	-16	-26	-33	-23	-17	-28	-23	-24	
GARRISON	MAX	5	-8	-14	-5	8	15	00	10	2	-5	-6			-11	-16	-11	-12	-14	-2	11	25	8	-4	-3	-20	-14	-8	-3	-14	-12		-3.5
	MIN	-7	-14	-25	-31	-18	-19	-21	-3	-11	-21		-19	-25	-27	-30	-30	-32	-35	-22	-4		-9	-12	-22	-33	-35	-19	-25	-31	-30	-26	-22.0
GRAFTON STATE SCHOOL	MAX	4	1	-7	-10	-3	-2	-10	3	3	-1	17	17	-4	-10	-1	-11	-13	-11	-8	6	8	8	-4	14	-9	-14	-9	-2	-3	-10	-5	-2.1
	MIN	-13	-13	-20	-22	-25	-21	-28	-15	-10	-14	-22	-23	-19	-20	-18	-24	-28	-32	-27	-17	-4	-8	-16	-10	-30	-32	-31	-16	-31	-37	-24	-21.0
GRAND FORKS CAA	MAX	19	-3	-13	-14	1	-5	3	6	2	-3	22	7	-9	-10	-11	-15	-14	-7	-8	4	9	8	11	16	-17	-18	-10	-2	-17	-12	-5	-2.7
	MIN	-10	-13	-21	-21	-23	-25	-31	-7	-10	-18	-19	-15	-18	-20	-22	-24	-28	-33	-29	-10	-3	-11	-13	-17	-29	-32	-28	-18	-33	-32	-23	-20.5
GRAND FORKS UNIVERSITY	MAX	5	-2	-10	-13	1	-5	5	6	2	-4	22	8	-8	-9	-10	-14	-13	-7	-9	3	9	8	10	15	-18	-18	-8	-1	-16	-11	-5	-2.8
	MIN	-10	-10	-19	-20	-21	-22	-31	-7	-10	-18	-18	-15	-18	-19	-22	-23	-25	-33	-26	-9	-4	-11	-13	-22	-27	-32	-24	-20	-33	-32	-21	-18.8
GRANVILLE	MAX	10	-2	-11	9	12	1	-4	8	4	-2	14	3	-12	-13	-14	-16	-13	-4	-3	7	17	8	-6	-4	-19	-13	-16	-4	-10	-11	1	-2.0
	MIN	-6	-13	-27	-37	-23	-29	-30	-7	-10	-20	-19	-15	-25	-28	-27	-30	-27	-38	-27	-9	-1	-11	-15	-20	-34	-37	-28	-28	-37	-38	-26	-23.5
GRENORA	MAX	10	-10	-20	-14	00	00	-5	-4	-2	-9	00	-8	-12	-20	-20	-17	-8	-17	-2	4	20	16	4	-10	-20	-14	-12	-10	-14	-14	-3	-6.4
	MIN	-12	-25	-32	-32	-23	-9	-23	-7	-17	-27	-10	-22	-25	-28	-45	-34	-28	-38	-25	-5	-2	-2	-16	-28	-36	-38	-24	-25	-33	-36	-28	-23.
HANKINSON R R STATION	MAX	26	24	-1	-13	-5		8	11	11	6	6	30	6	-2	00	-10	-2	-8	15	-12	11	12	8	20	23	-16	-10	4	00	-7	8	4.4
	MIN	2	-2	-14	-15	-17			-20	-7	-5	-12	00	-8	-18	-17	-20	-18	-22	-26	-22	-5	2	-5	-7	-20	-27	-27	-14	-23	-24	-22	-14.
HANNAH	MAX	2	-2	-14	-12	00	-10	-4	1	-5	-6	11	5	-13	-15		-16	-17	-18	-13	4	9	5	-11	-6	-20	-20	-12	-3	-12	-18	-12	-7.
	MIN	-12	-16	-25	-28	-27	-23	-32	-11	-11	-20	-20	-14	-23	-28		-30	-28	-37	-34	-15	-6	-4	-19	-21	-34	-40	-33	-22	-35	-40	-30	-23.
HANSBORO	MAX	1	-5		-9	00	-9	-9	3	-5		14	4	-10	-10	-7	-6	-7	-10	-3	4	7	5	-10	-8	-10	-7	-9	-5	-11	-5	-3	-4.
	MIN	-9	-18	-28	-32	-25	-25	-31	-13	-10		-21	-19	-25	-28	-23	-30	-31	-38	-30	-16	-6	-14	-22	-22	-34	-42	-33	-25	-39	-36	-30	-25.
HILLSBORO	MAX	24	-1	-5	-8	4	-4	-5	00	7	-1	23	20	-7	-8	-8	-10	-12	-7	-5	5	10	10	00	17	-8	-17	-7	6	-5	-8	-3	-.
	MIN	-4	-9	-16	-21	-22	-20	-26	-10	-6	-18	-19	-11	-16	-20	-19	-25	-22	-33	-24	-13	-9	-8	-13	-8	-26	-33	-30	-16	-33	-34	-23	-18.
JAMESTOWN CAA	MAX	8	-5	-12	-9	7	8	00	7	3	-1	25	1	-9	-12	-13	-11	-8	-5	-5	4	14	9	12	16	-18	-12	-5	-2	-8	-6	1	-.
	MIN	-6	-12	-19	-22	-20	-19	-26	-9	-13	-18	-15	-15	-18	-23	-27	-26	-28	-35	-22	-6	-3	-9	-12	-20	-26	-35	-25	-18	-31	-30	-22	-18.
JAMESTOWN STATE HOSP	MAX	8	1	-9	-11	7	8	-5	6	2	00	25	18	-8	-10	-9	-10	-9	-5	-6	2	17	17	-3	-16	-14	-13	-7	-2	-11	-8	00	-1.
	MIN	00	-9	-18	-22	-21	-16	-25	-15	-11	-15	-16	-9	-13	-22	-18	-25	-21	-33	-21	-8	-5	-6	-11	-14	-25	-33	-23	-15	-26	-24	-21	-17.
KENMARE	MAX	12	1	-5	-7	-5	7	-3	3	2	-1	2	13	1	-13	-18	-19	-12	-16	-4	3	11	17	00	-6	-15	-19	-5	-9	-10	-11	-10	-3
	MIN	-20	-11	-30	-34	-28	-22	-26	-15	-7	-22	-21	-17	-22	-28	-29	-30	-29	-31	-28	-23	-2	00	-16	-18	-35	-34	-32	-22	-30	-32	-29	-23.
KENSAL WILDLIFE REFUGE	MAX	8	-2	-12	-12	-1	00	-1	-1	1	-3	22	13	-12	-12	-15	-14	-11	-7	-5	7	20	12	-5	13	-15	-13	-5	-8	-10	-12	-3	-2.
	MIN	-5	-12	-21	-27	-22	-19	-29	-7	-15	-18	-21	-12	-20	-28	-22	-29	-24	-37	-27	-10	-12	-7	-15	-15	-32	-38	-26	-17	-34	-28	-27	-21.
LA MOURE	MAX	18	5	-1	-6	4	11	3	11	6	2	30	27	-5	-9	-10	-7	-8	1	-6	7	16	15	00	19	-10	-8	-5	00	-4	00	6	3
	MIN	00	-8	-17	-20	-20	-15	-25	-5	-10	-14	-14	-7	-11	-20	-18	-24	-17	-28	-22	-8	-6	-2	-9	-12	-24	-32	-22	-14	-28	-25	-21	-16
LANGDON EXP FARM	MAX	5	-5	-13	-13	-5	-8	-14	5	00	-5	10	10	-8	-15	-16	-17	-16	-19	-10	9	5	4	-8	-8	-18	-21	-5	-4	-12	-20	-11	-7.
	MIN	-13	-13	-25	-25	-26	-22	-34	-15	-13	-21	-20	-10	-26	-30	-23	-30	-30	-38	-34	-18	-8	-12	-21	-18	-33	-37	-33	-17	-36	-40	-32	-24
LARIMORE	MAX	11	00	-1	-7	-1	-5	-11	5	5	9	21	20	-3	-7	-4	-12	-10	-10	-6	4	10	11	-3	-5	5	-15	-9	1	-3	-11	-3	-
	MIN	-11	-10	-19	-21	-23	-23	-29	-11	-10	-15	-19	-10	-20	-23	-18	-25	-23	-32	-31	-12	-6	-11	-16	-11	-30	-33	-29	-21	-31	-32	-22	-20
LEEDS	MAX	5	-3	-11	-10	6	-4	-11	5	-1	-2	16	-5	-12	-12	-16	-16	-11	-13	-9	5	-12	9	-7	-2	-15	-18	-9	-2	-15	-15	-5	-8
	MIN	-8	-11	-21	-32	-21	-23	-29	-10	-8	-20	-20	-14	-19	-28	-22	-29	-26	-36	-29	-11	-3	-9	-16	-17	-31	-38	-29	-16	-33	-39	-26	-21
LINTON	MAX	17	2	-7	-8	5	20	8	8	5	1	28	13	-5	-10	-13	-3	-8	00	-3	11	26	25	1	12	-14	-10	-1	-1	-4	-2	6	3
	MIN	1	-7	-17	-35	-20	-18	-20	-4	-13	-15	-14	-11	-14	-24	-20	-30	-20	-38	-30	-3	2	1	-5	-14	-27	-44	-22	-11	-36	-31	-31	-18
LISBON	MAX	18	17	-3	-9	-5	6	10	2	9	5	-2	31	4	-4	-7	-11	-6	-8	00	4	4	17	4	20	21	-16	-10	-2	00	-10	1	2
	MIN	-4	-6	-14	-16	-17	-13	-22	-22	-6	-10	-16	-16	-9	-19	-17	-25	-22	-31	-30	-18	-9	-2	-9	-8	-21	-30	-30	-23	-27	-31	-30	-17
MADDOCK AGR SCHOOL	MAX	4	-1	-10	-10	7	-1	-9	5	00	-1	20	5	-10	-12	-17	-16	-10	-12	-6	7	16	10	-7	4	-15	-16	-9	-3	-11	-17	-4	-3
	MIN	-5	-11	-23	-34	-22	-22	-28	-10	-11	-20	-20	-13	-22	-30	-22	-29	-25	-38	-28	-10	-7	-7	-15	-17	-33	-39	-25	-13	-34	-37	-28	-21
MANDAN EXP STATION	MAX	14	5	-5	-15	-7	9	20	4	9	-1	-3	21	-5	-10	-15	-16	-7	-12	-2	4	9	29	5	4	-11	-21	-11	-7	-2	-4	-11	-1
	MIN	-5	-7	-18	-29	-27	-11	-19	-15	-11	-16	-16	-12	-13	-26	-26	-25	-17	-37	-32	-17	1	5	-8	-12	-28	-36	-31	-22	-27	-25	-31	-18
MANDAN FT LINCOLN PARK	MAX	15	10	-7	-7	7	20	8	11	6	-1	21	16	2	-6	-14	-4	-10	-4	-2	11	28	26	6	5	-5	-4	-4	1	-3	-8	7	3
	MIN	-4	-8	-20	-30	-14	-16	-21	4	-12	-17	-17	-14	-15	-26	-18	-18	-20	-44	-20	-5	2	1	-9	-16	-30	-35	-22	-12	-27	-28	-31	-17
MARMARTH	MAX	24	4	-10	7	7	27	18	22	11	7	27	8	-4	-4	-7	-4	-8	16	12	22	45	38	11	4	-18	5	9	6	-1	-2	10	9
	MIN	4	-11	-20	-30	-18	-3	-9	-1	00	-17	-3	-12	-15	-20	-28	-20	-25	-28	-20	-8	13	10	2	-18	-32	-32	-15	-20	-31	-29	-22	-14

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5–Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MAX	MAX	8	2	- 6	-14	-10	9	12	4	10	- 5	- 7	12	- 6	-13	-16	-18	-13	-11	- 7	00	7	21	00	- 6	-13	-17	-14	-10	-11	- 5	-12	- 4.2
	MIN	-12	- 8	-23	-33	-31	-20	-23	-22	-10	-22	-22	-13	-19	-27	-29	-29	-27	-37	-37	-22	- 3	- 1	-13	-16	-32	-39	-37	-20	-31	-33	-31	-23.3
MAYVILLE	MAX	8	- 4	- 6	-11	9	9	- 1	4	1	00	24	24	- 5	- 9	-11	-14	-12	- 6	- 6	6	11	8	00	15	-10	-10	- 6	- 1	- 5	-10	00	- .3
	MIN	-10	- 9	-17	-21	-18	-20	-27	-10	- 8	-13	-15	- 5	-15	-21	-17	-24	-22	-31	-23	-13	- 7	- 7	-13	-10	-27	-31	-32	-18	-29	-31	-26	-18.4
MC CLUSKY	MAX	13	3	- 8	- 8	8	3	- 2	7	3	- 2	20		-10	-14	-15	- 9	-10	- 8	- 6	8	21	15	- 7	- 9	-16	-11	- 7	- 4	-11	- 8	00	- 2.1
	MIN	3	-11	-24	-30	-20	- 8	-23	-16	-10	-19	-14	-13	-18	-30	-27	-30	-23	-33	-23	- 9	- 3	-16	-13	-19	-31	-35	-22	-28	-31	-30	-27	-20.4
MC HENRY 5 N	MAX	4	- 2	-11	-16	00	- 3	-10	3	00	- 3	18	15	-11	-14	-17	-17	-13	-13	- 8	4	9	8	- 9	-10	-16	-19	-13	- 5	-10	-17	- 6	- 5.9
	MIN	- 3	-11	-20	-26	-24	-20	-30	-13	-15	-20	-21	-14	-20	-27	-21	-29	-26	-35	-26	-13	- 8	-11	-15	-16	-31	-37	-27	-17	-34	-34	-30	-21.7
MC LEOD 3 E	MAX	22	12	- 5	- 2	5	10	5	9	7	3	31	28	4	- 4	- 5	-10	-10	- 2	- 2	10	15	10	5	23	- 7	-14	4	00	- 4	- 7	- 7	4.0
	MIN	- 5	- 5	-15	-21	-20	-15	-23	- 6	- 4	-11	-17	- 4	-10	-21	-15	-23	-16	-32	-20	-10	- 9	- 1	-10	- 7	-22	-33	-28	-15	-28	-23	-30	-16.1
MEDORA T R N M P	MAX	24	4	- 7	6	17	27	19	17	11	4	32	7	-10	-13	-12	19	- 1	9	10	18	51	39	6	1	-13	5	00	- 1	2	- 4	11	9.0
	MIN	- 4	-10	-26	-38	-24	- 8	-11	- 4	- 7	-23	- 7	-10	-13	-21	-30	-22	-26	-25	-26	6	9	4	- 3	-20	-41	-49	-25	-13	-35	-36	-39	-18.6
MINOT CAA	MAX	11	- 4	-17	-11	9	- 6	2	5	00	- 4	9	- 8	-15	-17	-17	-14	-14	- 5	- 2	6	13	5	- 9	- 9	-20	-14	-14	- 6	-10	-15	- 2	- 5.6
	MIN	- 7	-17	-28	-32	-18	-24	-25	- 1	-12	-20	-11	-22	-24	-26	-28	-28	-30	-34	-23	- 2	00	-11	-14	-24	-32	-33	-23	-24	-30	-29	-22	-21.1
MINOT EXP FARM	MAX	14	- 4	-12	-13	7	- 7	- 2	5	2	- 2	10	- 1	-14	-16	-17	-15	-15	- 9	- 5	8	12	11	- 6	- 9	-20	-14	-13	- 6	-13	-15	- 5	- 5.3
	MIN	- 5	-14	-29	-33	-22	-21	-28	- 4	-10	-21	-17	-17	-25	-29	-28	-30	-25	-34	-26	- 8	- 2	- 7	-16	-21	-34	-35	-24	-20	-32	-31	-27	-21.8
MOHALL	MAX	2	- 3	-11	-11	6	- 4	- 6	3	4	- 2	7	00	-14	-15	-18	-18	-15	- 7	- 5	9	12	7	- 3	-12	-14	-14	-14	- 8	-13	-14	- 3	- 5.6
	MIN	- 6	-11	-32	-35	-21	-27	-26	- 7	- 6	-23	-13	-18	-23	-30	-29	-28	-28	-36	-28	-17	- 2	- 3	-16	-22	-35	-38	-25	-20	-33	-37	-24	-22.5
MONTPELIER	MAX				-15	- 8	5	14																								
	MIN	- 7	- 8	-15	-22	-21	-20	-26																								
MOTT	MAX	23	18	- 1	- 2	11	26	20	13	5	3	33	24	- 4	-13	-11	00	-11	7	5	16	45	35	2	00	-16	- 4	3	- 2	00	- 8	9	7.3
	MIN	-11	-12	-21	-34	-21	- 7	-16	- 1	-12	-18	-10	-18	-13	-24	-28	-31	-22	-27	-22	- 1	5	00	- 5	-17	-33	-41	-20	-14	-29	-27	-20	-17.7
MUNICH 4 SW	MAX	1	- 4	-14	-15	- 2	-10	-13	- 1	- 3	- 5	12	12	-12	-16	-15	-17	-18	-20	-13	- 2	3	3	-12	- 5	-19	20	-10	-17	-17	-22	-13	- 9.2
	MIN	-10	-14	-24	-29	-28	-21	-30	-13	-11	-20	-21	-14	-22	-28	-23	-31	-29	-38	-32	-17	- 6	-12	-20	-20	-33	-40	-33	-18	-39	-42	-32	-24.2
NAPOLEON 1 SE	MAX	20	- 1	-11	-12	1	9	2	11	2	- 1	25	19	- 8	-13	-12	- 9	-11	- 5	- 4	10	27	27	- 3	12	-15	-11	- 5	- 3	-11	- 4	- 1	00.8
	MIN	- 3	-12	-20	-30	-19	- 8	-24	- 4	-15	-19	-18	-14	-16	-24	-23	-27	-23	-33	-25	- 6	- 2	- 5	-11	-17	-33	-35	-24	-15	-29	-26	-24	-18.8
NEW ENGLAND	MAX	25	10	00	9	14	27	27	17	13	2	39	21	8	-12	-14	- 4	- 2	13	5	19	47	37	5	- 3	-14	2	4	- 2	2	1	8	9.8
	MIN	00	- 9	-24	-30	-15	1	-12	00	- 9	-17	-10	-12	-14	-21	-30	-28	-23	-37	-20	2	5	5	- 6	-19	-30	-35	-17	-14	-28	-25	-18	-15.8
NEW SALEM 1 S	MAX	10	2	- 8	- 5	11	25	00	8	7	2	23		- 7	-16	-14	- 6	-11	- 2	5	10	39	23	00	- 4	-17	-11	- 9	- 2	- 5	-10	7	1.5
	MIN	2	-10	-22	-26	-16	- 5	-21	- 2	-15	-18	-17	-13	-20	-26	-27	-28	-27	-29	-19	- 4	- 2	- 2	-10	-19	-31	-36	-25	-17	-30	-25	-26	-18.3
OAKES	MAX	24	16	- 3	-10	- 5	8	15	14	9	6	5	30	2	- 5	- 6	-11	- 2	- 8	-10	5	9	23	6	20	21	-15	- 8	1	- 1	- 5	4	4.2
	MIN	- 3	- 6	-14	-18	-18	-15	-23	-22	- 7	-11	-16	- 4	- 8	-20	-17	-25	-22	-27	-24	-19	- 4	00	- 8	- 8	-23	-32	-31	-20	-26	-30	-21	-16.8
PARK RIVER	MAX	5	- 4	- 8	- 9	- 2	- 2	-13	- 2	- 3	- 2	14	14	- 7	-10	-13	-14	-13	-15	- 8	6	5	8	- 6	- 7	-12	-16	- 9	00	- 5	-14	- 8	- 4.3
	MIN	-11	-10	-18	-21	-23	-20	-28	-14	- 9	-15	-19	- 7	-19	-20	-18	-24	-31	-32	-29	-14	- 5	-10	-16	-12	-30	-32	-32	-16	-30	-29	-24	-19.9
PARSHALL	MAX	10	- 5	- 8	- 9	13	10	- 1	5	4	1	10	00	-10	-12	-17	-12	-12	- 8	- 2	13	22	20	- 3	- 8	-20	-11	- 6	- 5	-10	-10	1	- 1.9
	MIN	- 6	-10	-28	-31	-20	-13	-14	- 5	-14	-24	-14	-25	-26	-25	-33	-31	-27	-45	-27	-14	- 5	- 5	-10	-24	-37	-44	-24	-24	-35	-41	-38	-23.2
PEMBINA CAA	MAX	2	- 5	-13	-14	- 5	- 7	00	3	00	- 5	16	1	-10	-11	-10	-11	-16	-12	-12	3	10	5	3	8	-18	-17	- 9	- 7	-19	-13	- 6	- 5.5
	MIN	-10	-14	-24	-26	-28	-26	-34	- 8	-10	-22	-18	-19	-22	-21	-21	-31	-32	-41	-27	-12	- 6	-18	-19	-22	-26	-35	-33	-20	-40	-42	-27	-23.7
PETTIBONE	MAX	6	1	-12	-13	6	10	6	6	1	- 1	23	10	-12	-15	-17	-11	-16	- 9	- 1	10	19	15	- 3	13	-15	- 9	- 5	- 4	- 9	- 8	- 2	- 1.2
	MIN	1	-12	-21	-30	-24	-14	-25	-10	- 9	-18	-20	-12	-17	-25	-25	-29	-21	-35	-25	-11	- 5	- 5	-14	-15	-30	-40	-24	-15	-34	-30	-30	-20.1
PORTAL	MAX	9	- 5	-10	-20	- 7	2	- 7	2	00	- 2	- 5	4	-15	-16	-19	-23	-20	-19	- 6	1	5	11	00	-12	-16	-32	-17	-12	-12	-18	-14	- 8.8
	MIN	-17	-12	-36	-35	-30	-22	-24	-15	- 8	-27	-27	-22	-26	-32	-35	-34	-32	-36	-31	-23	- 2	- 1	-18	-19	-39	-38	-37	-29	-36	-36	-32	-26.2
RICHARDTON ABBEY	MAX	21	- 3	- 7	5	13	25	15	23	5	3	34	12	- 9	-15	-16	- 5	- 8	3	3	10	42	41	00	- 5	-18	- 8	- 7	- 5	- 2	- 6	5	4.7
	MIN	- 5	- 8	-25	-27	-13	- 1	-15	- 1	- 8	-17	-11	-12	-16	-24	-27	-26	-19	-28	-17	- 2	2	00	- 8	-20	-32	-31	-19	-15	-25	-24	-22	-16.0
ROLLA	MAX	3	- 5	-15	-15	- 3	-10	-11	3	- 5	- 3	10	00	-14	-13	-10	- 9	-16	-10	- 7	7	8	6	-12	-10	-15	-19	-11	- 4	-15	-15	-11	- 7.1
	MIN	- 9	-15	-26	-29	-26	-21	-26	-11	- 9	-16	-18		-20	-25	-25	-31	-28	-36	-29	-12	- 5	-13	-21	-21	-32	-40	-27	-16	-36	-33	-27	-22.8
RUGBY	MAX	4	2	- 3	-12	7	- 1	- 6	7	6	2	16	11	- 7	-14	-14	-16	-11	-11	- 8	6	12	14	- 6	- 6	-15	-13	-10	- 2	- 6	-12	- 3	- 2.9
	MIN	- 7	-10	-25	-33	-23	-19	-26	-10	- 9	-20	-18	-12	-20	-28	-24	-29	-26	-36	-28	-11	- 3	- 7	-16	-12	-32	-32	-30	-22	-34	-38	-27	-21.5
SANISH	MAX	13	3	- 3	-22	- 6	13	11	4	6	3	- 3	10	- 5	-10	-13	-21	-13	-11	- 6	2	12	23	6	- 6	-13	-21	-10	- 6	- 6	- 8	-10	- 2.8
	MIN	00	- 9	-30	-39	-39	-12	-24	-15	- 5	-22	-10	-16	-24	-27	-31	-32	-30	-45	-26	23	- 2	3	-11	-17	-35	-46	-46	-22	-38	-41	-42	-22.9
SHARON	MAX	10	7	-14	-16	- 3	3	- 8	5	00	- 3	22	20	- 8	-10	-16	-18	-16	-17	- 8	10	10	5	- 6	13	21	-13	- 5	- 2	-11	-16	- 5	- 2.2
	MIN	- 6	-14	-18	-20	-21	-18	-26	-10	-10	-16	-19	-10	-16	-24	-20	-28	-24	-34	-27	-12	- 5	-10	-16	-13	-28	-35	-24	46	-33	-28	-26	-19.6
STANLEY	MAX	11	- 8	-20	-13	5	9	1	4	- 1	- 7	10	-10	-14	-20	-20	-18	-16	-11	- 1	10	27	3	- 8	-12	-23	-13	-12	- 9	-14	-15	- 4	- 8.1
	MIN	-14	-31	-35	-40	-26	-24	-29	- 7	-20	-29	-15	-26	-30	-31	-37	-36	-31	-39	-27	- 6	- 4	-13	-23	-31	-39	-40	-22	-31	-37	-36	-33	-27.2
STEELE	MAX	17	- 1	- 9	-11	00	13	3	5	2	- 1	19	10	-10		-10	-13	-13	-15	- 4	8	20	22	- 5	- 8	-10	-10	- 5	- 3	- 5	-10	00	- .8
	MIN	- 3	-11	-20	-35	-27	-16	-27	- 3	-14	-22	-18	-14	-21	-30	-32	-33	-23	-39	-25	- 6	- 8	- 6	-13	-19	-27	-42	-26	-17	-34	-30	-32	-21.7
TOWNER	MAX	4	00	- 8	8	8	- 4	00	8	5	-10	11	- 4	-10	-10	-17	-17	-18	- 9	- 5	5	15	- 1	- 7	- 4	-13	-14	-13	- 6	-12	-13	- 4	- 4.4
	MIN	00	-10	-28		-16	-24	-28	- 8	-16	-22	-18	-22	-23	-30	-27	-30	-26	-38	-28	- 9	- 5	-17	-19	-13	-36	-38	-22	-16	-38	-42	-28	-22.6
TURTLE LAKE	MAX	2	1	- 8	10	4	4		8	2	- 1	18	8	- 2	-12	-12	-12	-12	- 8					9	4	- 8	-14	-10	- 3	- 9	-14	-21	- 2.9
	MIN	- 6	-10	-24	-17	-24	-24		- 6	-10	-22	-13	-19	-20	-31	-29	-30	-27	-35					- 5	-20	-35	-38	-24	-16	-34	-30	-25	-22.1
UNDERWOOD 12 W	MAX	5	4	- 4	- 6	10	14	- 7	7	4	4	19	- 2	- 7	- 9	-10	-10	-10	- 8	00	2	18	10	- 3	- 1	-12	-12	-10	- 4	- 5	-13	2	- 1.1
	MIN	- 7	- 8	-21	-36	-22	-13	-25	- 6	- 9	-19	-15	-19	-24	-28	-26	-30	-19	-43	-25	- 5	- 4	- 4	-10	-21	-32	-46	-26	-21	-30	-42	-31	-21.5
UPHAM WILDLIFE REFUGE	MAX	7	- 2	- 7	-12	6	- 2	- 6	10	4	- 3	13	5	-11	- 7	-16	-11	-10	-10	- 5	13	15	8	- 5	- 4	-18	-16	-10	- 4	-11	-10	1	- 3.0
	MIN	- 6	-10	-27	-37	-25	-28	-30	- 9	- 5	-21	-18	-15	-22	-26	-27	-30	-29	-39	-28	-17	- 1	- 6	-15	-18	-35	-42	-28	-19	-38	-42	-32	-23.4
VALLEY CITY	MAX	16	4	- 6	-13	4	5	- 8	8	5	2	28	27	- 3	- 8	-10	-10	- 8	- 5	- 6	5	14	6	- 2	17	-11	-13	- 7	00	- 4	- 6	- 2	00.6
	MIN	- 1	- 8	-15	-17	-21	-17	-24	-12	- 7	-10	-15	- 6	-12	-22	-17	-25	-17	-32	-19	- 9	- 6	- 3	-12	-12	-25	-32	-24	-12	-29	-33	-25	-16.7
VAN HOOK	MAX	12	- 4	-12	- 7	14	12	00	6	6	00	10	4	-10	-14	-17	-12	-13	- 8	- 4	13	28	20	- 5	- 9	-20	-14	- 6	- 4	-10	-11	4	- 1.6
	MIN	- 8	-12	-30	-35	-20	-14	-25	- 5	- 9	-22	-13	-12	-24	-30	-33	-32	-23	-43	-24	- 5	2	- 5	-11	-20	-35	-46	-25	-15	-34	-36	-38	-22.0
VELVA	MAX	13	00	- 8	- 8	10	- 3	- 1	8	6	- 2	15	2	-13	-14	-15	-11	-12	- 5	- 3	6	21	10	- 5	- 5	-18	- 9	-11	- 4	-12	-10	1	- 2.5
	MIN	- 2	- 9	-25	-36	-20	-25	-27	- 3	-10	-18	-13	-15	-22	-25	-25	-27	-26	-40	-25	- 7	1	- 5	-13	-18	-34	-40	-23	-17	-29	-30	-20	-20.3
WAHPETON STATE SCHOOL	MAX	28	16	- 2	- 6	7	13	10	15	8	7	29	28	5	- 3	1	- 5	- 5	00	00	12	15	15	11	21	- 4	-10	5	5	- 1	7	7	7.4
	MIN	7	- 2	-16	-19	-16	- 9	-22	- 3	- 6	- 9	-11	- 1	- 8	-19	-14	-22	-14	-27	-20	-13	- 3	- 4	- 3	- 5	-21	-31	-21	-10	-27	-25	- 8	-13.0
WASHBURN	MAX	10	- 1	- 7	- 8	12	18	00	10	7	00	20	7	2	- 9	-15	- 7	- 9	- 2	- 4	10	30	19	- 1	7	- 4	-10	-12	- 3	- 5	4	5	2.1
	MIN	- 3	- 8	-20	-28	-15	- 7	-20	- 4	- 9	-18	-11	-12	-16	-27	-25	-27	-20	-33	-20	- 5	2	- 2	-10	-16	-30	-34	-21	-12	-30	-31	-25	-17.3
WATFORD CITY	MAX	20	- 6	-12	- 5	12	16	12	8	5	1	14	- 3	-11	-12	-15	- 8	-14	- 3	2	10	21	19	2	- 8	-22	-13	- 8	- 6	- 3	-12	6	- .4
	MIN	- 9	-13	-30	-35	-14	- 7	-18	- 2	- 7	-22	- 8	-16	-21	-26	-32	-30	-22	-39	-21	- 2	2	- 2	- 9	-23	-36	-37	-22	-18	-34	-31	-35	-20.0
WESTHOPE	MAX	5	- 4	-12	-13	5	- 3	- 5	5	00	- 4	10	3	-13	-13	-16	-13	-13	- 6	- 2	7	7	6	- 5	-12	-19	-19	-14	- 4	-13	-13	00	- 5.4
	MIN	- 6	-12	-30	-35	-25	-26	-24	- 7	- 8	-23	-12	-16	-21	-31	-30	-29	-27	-38	-29	- 4	- 2	-12	-16	-22	-39	-43	-27	-17	-38	-39	-32	-23.2
WILLISTON WB CITY	MAX	14	- 5	-18	- 8	8	13	11	8	4	1	8	- 8	-12	-15	-24	-12	-16	- 8	2	9	30	5	- 4	- 8	-21	-14	- 8	- 5	-11	-15	2	- 3.1
	MIN	-10	-21	-30	-34	-15	-20	-20	- 2	-17	-20	- 8	-20	-24	-25	-31	-29	-31	-37	-21	2	4	- 4	- 8	-26	-34	-37	-19	-23	-32	-31	-33	-21.2
WILLOW CITY	MAX	5	- 1	-11	-11	4	- 5	- 6	12	2	- 3	13	00	-11	-12	-16	-15	-13	- 8	- 7	8	8	8	- 9	- 5	-19	-14	- 7	- 4	-16	-14	- 5	- 4.9
	MIN	- 6	-13	-27	-38	-30	-22	-31		- 7	-22	-21	-15	-24	-28	-27	-30	-28	-45	-28	- 8	- 3	-10	-17	-20	-35	-40	-32	-22	-35	-45	-32	-24.7
WILTON RR STATION	MAX	16	3	- 7	-14	- 8	7	16	6	8	- 2	- 2	17	- 4	-10	-15	-17	-10	-13	- 5	2	8	30	2	3	- 8	-22	-12			- 2	-14	- 1.7
	MIN	-11	-11	-24	-31	-33	-20	-24	-19	-12	-21	-22	-14	-14	-28	-28	-30	-23	-37	-36	-20	- 3	- 2	-12	-15	-32	-34	-30			-29	-26	-22.1
WISHEK	MAX			15	-18	-12	00	18	12	6	9	00	26	- 6	- 7	- 6	-15	- 7	- 9	- 2	6	9	30	7	15	- 3	-19	- 8	- 5	5	- 8	- 2	1.1
	MIN			-18	-30	-30	-12	-20	-18	-13	-17	-17	-10	-14	-20	-20	-27	-25	-34	-25	-20	- 3	2	- 9	- 9	-27	-35	-28	-17	-31	-32	-20	-20.0

See reference notes following Station Index.

Table 7

SNOWFALL AND SNOW ON GROUND

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALMONT 7 5W	SNOWFALL			-						-				2.0		0.8		1.6			2.0	-	-	2.0	1.7				0.1		-	
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMENIA	SNOWFALL		2.0	3.0							1.0			2.0	1.0	1.0		2.0			4.0		3.0		7.0				1.0			
	SN ON GND	5	7	10	10	10	10	10	10	10	11	11	11	13	14	15	15	17	17	16	20	19	21	20	27	25	24	24	25	24	23	23
ASHLEY	SNOWFALL		2.0	3.0	1.0									3.0		1.0		2.0					0.5	3.0	2.5				2.0		T	0.5
	SN ON GND	4	6	7	8	8	8	8	8	8	8	8	8	11	11	12	12	14	14	14	14	14	15	18	20	20	20	20	22	22	22	22
BEACH	SNOWFALL		T							T				0.3	0.4		T	0.6			1.2		0.3	0.4					0.3			
	SN ON GND	1	1	1	1	1	1	T	T	T	T	T	T	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2
BISMARCK WB AIRPORT	SNOWFALL	T	0.2	T	T					2.8	T			2.0	0.5	T	T	1.3			3.2		1.7	3.8	0.9	T	T		0.5		T	T
	SN ON GND	4	4	4	4	4	4	4	4	6	7	7	7	9	8	9	9	10	9	9	11	11	12	15	16	15	14	14	14	14	14	14
CARSON 2 SW	SNOWFALL		-	1.0						2.0	1.0			2.0	T	1.0		2.0					1.5	1.5						0.5		
	SN ON GND	9	9	10	10	10	10	10	10	12	13	13	13	15	15	16	16	18	18	18	18	18	20	21	21	21	21	21	21	21	21	21
CENTER	SNOWFALL					1.0	1.0			1.0		T		4.0	1.0		T				1.0			4.0				1.0				
	SN ON GND	2	2	2	2	3	4	4	4	5	5	5	5	9	10	10	10	10	10	10	11	11	11	15	15	15	15	16	16	16	16	16
CROSBY	SNOWFALL		0.5				T			T	T		T	T	T	1.0			0.5		0.5	1.2	0.2	0.5	2.5			T	0.5			
	SN ON GND	8	9	9	8	8	8	8	8	8	8	8	8	7	7	8	8	8	9	9	10	10	10	10	12	12	12	12	13	13	13	13
DEVILS LAKE WB CITY	SNOWFALL	T	0.5	T	T		0.2		T	1.1	T		T	1.8	T	0.5	T	0.6	T		2.8	0.2	0.4	4.0	2.9	T	T	T	0.8			
	SN ON GND	13	13	13	13	13	13	13	13	13	14	14	13	15	15	15	15	15	15	15	16	18	18	18	25	24	23	23	24	24	23	22
DICKINSON CAA	SNOWFALL	T	0.5	T			T	T	T	0.3			T	1.8	1.4		T	1.4			0.4		0.3	2.3	T				0.2		T	T
	SN ON GND	1	2	2	2	2	2	2	2	2	2	2	2	4	5	5	5	6	6	6	6	5	5	8	8	8	8	8	8	8	8	8
DUNN CENTER	SNOWFALL		T							T	T			1.0	T	2.0		T			3.0	T	1.0	1.0	3.0	T			T			
	SN ON GND	3	3	3	3	3	3	3	3	3	3	3	3	4	4	6	6	6	6	6	9	9	10	11	14	14	14	14	14	14	14	14
EDGELEY EXP FARM	SNOWFALL		4.0	6.5	0.5						0.7			0.5	0.2	-	3.5	-			0.2		1.0	0.8	11.0						-	
	SN ON GND	-	10	16	17	17	17	17	-	-	-	-	-	18	18	-	-	22	22	22	22	22	23	24	35	35	35	35	35	35	35	
ELLENDALE	SNOWFALL		1.0	2.0	T						T	T		1.5	T	T		1.0					0.8	1.2	8.5	T			T		T	T
	SN ON GND	4	5	7	7	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	10	11	19	19	19	19	19	19	19	19
FARGO WB AIRPORT	SNOWFALL	T	1.0	1.6	0.1		T		T	0.2	0.1		T	1.3	T	0.4		1.4			3.1	T	0.4	1.2	3.4	T			0.2		T	0.5
	SN ON GND	5	6	8	8	8	8	8	8	8	8	8	8	9	8	9	9	10	10	10	12	13	13	13	17	17	17	17	17	17	17	18
FESSENDEN	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SN ON GND	-	-	8	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	13	-	-	-	-	22	22	22	22	22	22	22
FORMAN	SNOWFALL		T	3.0							T			1.2		T		1.7					1.3	T	7.2				T		T	1.5
	SN ON GND	1	1	4	4	4	4	4	4	4	3	3	3	4	4	4	4	5	5	5	5	5	7	7	14	14	14	14	14	14	14	16
FORT YATES	SNOWFALL		0.9	0.1						T	T			0.6		0.3		-					0.8	1.0	1.1				T		T	
	SN ON GND	-	-	9	9	9	9	9	9	9	9	9	9	10	10	10	10	13	13	13	13	12	13	15	18	18	18	18	18	18	18	18
GRAFTON STATE SCHOOL	SNOWFALL		5.0	1.1				T		T	2.0	T		1.0		T		T			2.0		2.0		6.5				T	T	T	
	SN ON GND	9	14	15	13	13	12	12	12	12	14	13	13	14	14	14	14	14	14	14	15	15	17	16	22	22	22	22	22	22	22	22
GRAND FORKS CAA	SNOWFALL		3.3	0.7	T		T		T	0.7	0.4		T	1.2	T	0.6		0.2			1.9	0.3	0.3	0.7	5.5	0.1	T		0.5		T	0.1
	SN ON GND	10	12	14	14	14	14	14	13	13	14	14	14	14	15	15	15	15	15	14	15	16	16	16	22	22	22	22	22	22	21	21
JAMESTOWN CAA	SNOWFALL	T	3.4	2.1	T			T	T	0.9	0.1			1.5	0.2	0.2		1.2			3.1		3.8	8.6	3.2	T			2.0		0.1	T
	SN ON GND	9	12	14	14	14	14	14	13	13	14	12	12	14	14	14	14	16	16	16	19	19	22	23	34	34	33	33	35	35	35	35
LANGDON EXP FARM	SNOWFALL		2.0	0.5							1.3			2.0	0.5	0.4		0.7			0.4	1.0	0.5		7.8				2.0			
	SN ON GND	-	-	-	-	-	12	12	12	12	13	13	13	15	-	-	-	-	-	-	17	-	-	-	-	-	-	26	28	28	28	28
LINTON	SNOWFALL			1.8							0.2			1.0		0.2		1.0			T		1.0	2.0	1.0							
	SN ON GND	5	5	7	7	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	10	12	13	13	13	13	13	13	13	13
LISBON	SNOWFALL	-	-	-	-	-	-								-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-
	SN ON GND	-	-	9	9	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	12	-	-	18	-	-	-	-	-	-	-
MARMARTH	SNOWFALL		0.3	T						0.6					0.4	T	T	T			T	1.0	1.5	1.0	T				0.9			
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAYVILLE	SNOWFALL		1.6	1.3			T	0.1	T	T	0.8			1.2	1.0	0.3		0.5			2.5	2.5	0.9	0.7	6.5				0.5			T
	SN ON GND	3	5	8	6	6	6	6	6	6	7	7	7	8	9	9	9	9	9	9	11	13	14	15	21	20	20	20	20	20	20	20
MC CLUSKY	SNOWFALL	-	-	-							-			-							3.0	1.5	2.0	1.0	6.0				1.0			
	SN ON GND	-	5	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC HENRY 5 N	SNOWFALL		1.5	0.5			T			T	2.0			1.0	T	T		1.0			1.0	1.5	1.0	T	4.0				1.0			T
	SN ON GND	11	12	13	13	13	13	13	13	13	15	15	15	16	16	16	16	17	17	17	18	19	20	20	24	24	24	24	25	25	25	25
MEDORA T R N M P	SNOWFALL									0.2				0.2	2.5			1.0			1.5		0.2	2.3	0.1		T			0.2		
	SN ON GND	1	1							T	T	T	T	1	3	3	3	3	3	3	4	4	3	5	5	5	5	5	5	5	5	5
MINOT CAA	SNOWFALL	T	0.6	T	-	-	0.2	T	T	0.3			T	2.1	0.4	T		0.5	T	T	1.9	T	1.2	2.1	1.4	T		1.5	2.4			
	SN ON GND	6	6	6	6	6	6	6	6	5	5	5	4	6	6	6	6	6	6	6	7	8	9	11	14	14	14	14	18	17	17	17
MOHALL	SNOWFALL		0.3				-		-					1.5	1.1			0.2			0.5	1.0	0.4	0.2	1.0			T	1.2			
	SN ON GND	8	8	-	-	-	-	-	-	-	-	-	-	8	8	8	8	9	9	9	9	10	11	11	12	12	12	-	13	13	13	13
MOTT	SNOWFALL		0.5							1.5				1.0	1.0			1.5					1.0	1.5	1.5				2.0			
	SN ON GND	2	2	2	2	2	2	3	3	4	4	3	3	4	6	6	6	7	7	7	7	6	7	8	10	10	10	10	12	12	12	12
NAPOLEON 1 SE	SNOWFALL		1.0	1.0							0.8			1.0		1.2		1.5			1.0		0.4	1.1	5.4	0.3			3.0			
	SN ON GND	7	8	9	9	9	9	9	9	9	10	10	10	12	12	14	14	16	16	16	17	17	17	19	25	25	25	25	28	28	28	28
PARSHALL	SNOWFALL									T				2.0	1.0			1.0			2.0	2.0	1.0	2.0	1.0			T	2.0			
	SN ON GND	4	4	4	4	4	4	4	4	4	4	4	4	6	7	7	7	8	8	8	10	12	13	15	16	16	16	16	18	18	18	18
PEMBINA CAA	SNOWFALL	T	0.4	0.6	T		T		T	0.3	0.1	T		0.6	T	0.4		0.4			0.4	0.9	T	0.2	3.1	0.5	T	0.1	0.6			0.2
	SN ON GND	7	8	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	11	12	12	12	15	15	15	15	16	16	16	16
PETTIBONE	SNOWFALL		*	3.0							0.7			1.1		0.5		0.3			4.0	-	2.0	0.8	11.0	-				-	-	
	SN ON GND	-	8	8	-	-	-	-	-	-	9	9	9	10	-	10	-	10	10	10	14	14	16	16	27	27	27	27	-	-	-	-
PORTAL	SNOWFALL		-								T	T	T		-			-			-		-	-	-			-	1.0			
	SN ON GND	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-
RICHARDTON ABBEY	SNOWFALL		0.1							0.8				1.8	0.5	0.8		1.2			1.5	T	0.3	2.5	2.2	0.1			0.6			0.1
	SN ON GND	3	3	3	3	3	3	3	3	4	4	4	4	6	6	7	7	8	8	8	10	7	6	8	11	11	11	11	11	11	11	11
ROLLA	SNOWFALL		1.2	0.1			0.2			0.5			0.2	2.5	T	0.5		0.5			1.6	0.8	0.5	0.5	3.0			T	2.5			
	SN ON GND	7	8	8	8	8	8	8	8	9	9	9	9	10	10	11	11	11	11	11	12	13	13	13	16	16	16	16	18	18	18	18
RUGBY	SNOWFALL	0.2					T			0.1				3.5	1.0			0.5		0.5	1.1		T	T	7.0	T			3.0			T
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See reference notes following Station Index.

Table 7 -Continued

SNOWFALL AND SNOW ON GROUND

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SHARON	SNOWFALL		-							1.0					1.0						3.0	2.0		3.0	1.0				1.0			
	SN ON GND	11	13	13	13	13	13	13	13	14	14	14	14	16	17	17	17	17	17	17	20	22	22	25	26	26	26	26	27	27	27	27
STANLEY	SNOWFALL													T				1.0			4.0	T	5.0	2.0					4.0			
	SN ON GND	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	12	9	12	14	13	13	13	13	15	14	14	13
STEELE	SNOWFALL		4.7	0.2							1.5			1.0	2.7			1.5			3.0		1.0	1.5	2.0	5.0			0.5		T	
	SN ON GND	6	-	11	11	11	11	11	11	11	12	12	12	12	14	14	14	15	15	15	18	18	19	21	23	28	28	28	28	28	28	28
UPHAM WILDLIFE REFUGE	SNOWFALL		0.2				T			T	T		T	1.5	1.0			1.0			1.0	3.0	T	T	5.0	T		T	2.0			
	SN ON GND	10	10	10	10	10	10	10	10	10	10	10	10	12	13	13	13	13	13	13	12	11	10	10	15	15	15	15	17	17	17	17
VELVA	SNOWFALL		0.5				T	T	T	0.7				2.8		0.3		0.7			1.5	1.0	0.5	0.3	2.7				3.0			
	SN ON GND	9	9	9	9	9	9	9	9	10	10	10	10	13	13	13	13	14	14	14	15	16	17	17	20	20	20	20	23	23	23	23
WAHPETON STATE SCHOOL	SNOWFALL		T	*	3.0					T				2.0		1.0		1.0			2.0		4.0		8.0						T	0.5
	SN ON GND	1	1	-	4	4	4	4	4	4	4	4	4	6	6	7	7	8	8	8	9	9	12	12	19	19	18	18	19	19	18	18
WATFORD CITY	SNOWFALL		0.5											0.3	1.3			1.5			3.2		1.6	2.9	1.6				2.6			
	SN ON GND	-	4	-	-	-	3	-	-	-	-	-	-	3	4	4	4	5	5	5	8	8	10	12	14	-	-	12	14	14	14	14
WILLISTON WB CITY	SNOWFALL	T	0.6	T	T		T		T	T		0.2	0.1	0.1	1.7	T	0.1	0.7	T	T	2.8	T	2.5	2.1	0.2	0.5	T	0.9	1.7	T	T	T
	SN ON GND	3	4	4	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	7	7	9	11	12	12	12	12	15	15	15	15

See reference notes following Station Index.

NORTH DAKOTA
JANUARY 1950

STATION INDEX

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	88 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALMONT 7 N	0136	MORTON	4	46 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 5 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	R A BURY	3
AMENIA	0196	CASS	11	47 00	97 13	960	9S	9S	YIRGIL L GEBEKE	2 3 5 7
AMIOON	0209	SLOPE	1	46 30	103 19	2910	5P	5P	TOFIELD ZUNDEL	2 3 4 5
ARYILLA STATE PARK	0369	GRAND FORKS	10	47 58	97 30	960	6P	8P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	48 02	99 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 7
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR	0482	MC HENRY	12	47 57	100 32	1615		MID	RAYMOND E MELLER	3 4
BEACB	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F BOOGIN	2 3 4 5 7
BELCOURT INDIAN RE9	0626	ROLETTE	9	48 50	89 45	1860	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0638	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0786	MERCER	6	47 18	101 47	1780		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1800	6P	6P	ROBERT J KRICK	2 3 5
BISMARCK N8 CITY	0814	BURLEIGB	8	46 48	100 48	1870	10A	10A	U 9 WEATHER BUREAU	2 3 5
BISMARCK NB AIRPORT	0819	BURLEIGB	8	46 46	100 45	1650	MID	MID	U 9 WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	CLOSED
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT BOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O B HOOK	2 3 4 5
BREIEN	1052	MORTON	1	46 24	100 57	1720		MID	FRANK B POTTER	3 4 7
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1380	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1365	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	48 23	101 35	2500	7P	7P	J N EVENS	2 3 5 7
CAYALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEIN2	2 3 5 7
COLGATE	1688	STEELE	10	47 14	97 39	1180		6P	O W JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	6P	R J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G B HANAWALT	3
CRO9BY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON Y NICHOLS	2 3 5 7
DAWSON	2018	KIDDER	8	46 52	89 45	1730		MID	LOUIS J SILLINGTON	3 4
DEVILS LAKE N8 CITY	2158	RAMSEY	2	48 07	98 52	1471	MIO	MIO	U S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	MIO	MID	U S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMMARS	2 3 5 7
DUNSEITB ST SANITARIUM	2385	BOLETTE	12	48 50	100 02	2001	5P	5P	N D STATE BOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5 7
EGMORE 1 N	2525	RAMSEY	2	48 25	98 28	1524	8P	8P	MIKE DAYIS	2 3 5
ELBONOOOS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	H W CASE	2 3 5
ELLENDALE	2605	OICKEY	5	46 00	98 31	1480	8P	8P	PAUL GRESS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 3 5
ESMOND	2767	BENSON	11	48 02	98 46	1650		MID	CLARENCE L JENSEN	3 4
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITB LARSON	3
FARGO WB AIRPOBT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
FBSSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1930		8A	GEORGE M SINCLAIR	3
FORMAN	3117	SARGENT	10	46 08	87 38	1249	8P	6P	ART WATBRMAN	2 3 5 7
FOBT YATBS	3207	910DX	8	46 06	100 38	1640	S9	SS	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	U S WILDLIFE REF	2 3 5
FULLERTON	3287	OICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	89 08	1951	8P	6P	DAVID R HAMM	2 3 5
GARRISON	3378	MC LEAN	8	47 38	101 25	1911	7A	7A	GEORGE J MAHOWALD	2 3 5
GLEN ULLIN	3496	MORTON	4	48 49	101 49	2090		MID	LOUIS N GAUER	3 4
GOLVA 1 SE	3556	GOLDEN VALLEY	7	46 44	103 57	2780		MID	ISADORE MARQULIES	3 4
GRAFTON STATE SCBOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GBANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3688	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GBEMORA	3736	WILLIAMS	6	48 17	103 56	2114	5P	5P	D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN KISSE	3
HANKINSON RR STATION	3908	RICELAND	10	48 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANWAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	HOMER A BENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1570	6P	6P	D S CUSTOMS OFFICE	2 3 5
HANS8ORO	3963	TOWNER	9	48 57	89 23	1597	7P	7P	N E DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	89 53	1596		6P	H J REYNOLDS	3
HAYNE9 8 NE	4073	ADAM9	1	46 01	102 24	2640		MID	BYRON 8 BOBB	3 4
HAZELTON RR STATION	4083	EMMON9	8	46 28	100 17	1978		MID	EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAM9	9	48 00	102 38	2675	6P	6P	EDWARD H BJORUM	2 9 4 5 7
HILLSBORO	4203	TRAILL	10	47 24	97 04	1000	6P	6P	ALFRED SHENEE	2 3 5
HURDSFIELD	4343	WELL8	5	47 27	99 55	1915		MID	MRS B RUTB BUCHWITZ	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	48 55	88 41	1497	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE BOSPITAL	2 3 5
KENMARE	4648	WARD	12	48 40	102 05	1799	MID	MID	THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4658	STUT9MAN	5	47 15	88 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAD	12	48 39	100 97			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 5
LANGOON EXP FARM	4858	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5 7
LARIMORE	5013	GRAND FORKS	10	47 54	87 38	1134	7P	7P	ELEW PETERSON	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	48 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5 7
LISBON	5220	HANSON	11	48 26	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5 7
MADDOCK AGR 9CHOOL	5434	BENSON	11	47 58	99 30	1604	8P	6P	BENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MOBTON	4	48 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	48 47	100 52	1700	8P	6P	PARK SDPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 46			6P	MISS JEANETTE DAWE9	3
MARMARTH	5575	SLOPE	7	48 18	103 55	2714	8P	6P	S P GRAME	2 3 5 7
MABTIN	5810	9HERIDAN	11	47 50	100 07	1810		6P	JOHN W MAGNUSON	3
MAX	5838	MC LEAN	8	47 49	101 17	2083	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5860	TRAILL	10	47 30	97 19	875	6P	6P	B A RAGAZ	2 3 5 7
MC CLD9KY	5710	9HERIDAN	8	47 29	100 29	1843	11A	11A	J A HANILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	8	48 38	102 56			MID	HARTVIN H HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	88 35	1509	6P	8P	C E 8LA9KY	2 3 5 7
MC LEOD 3 E	5754	RICELAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	B B KNIEFEL	3
MEDINA 1 W	5798	STUT9MAN	8	48 53	89 18			6P	RUDOLPH GRAF	3
MEDORA STATE PARK	5808	BILLING9	7	46 55	103 33	2271		5P	5P	PARK SUPT	CLOSED
MEDORA TRMMP	5813	BILLINGS	7	46 58	103 30	2250		5P	5P	US FOREST SERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	99 02	1625		MID	EDGAR S STEGMEIER	3 4
MINOT CAA AP	5888	WARD	12	48 15	101 17	1724	MIDMIO		U S CIVIL ARRO ADM	2 3 4 5 7
MINOT EXP FARM	5893	WARD	12	48 10	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENYILLE	12	48 46	101 31	1639		9P	9P IYER JOHNSON	2 3 5 7
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	ROLF HANSON	3
MOTT	6155	METTINGER	1	46 23	102 20	2420		8S	8S FORBST E COFING	2 3 4 5 7
MUNICH 4 SN	6195	CAVALIER	2	48 38	98 53	1598		7P	7P HAROLD FELDNER	2 3 5
NAPOLEON 1 SE	6255	LOGAN	8	46 29	99 45	1955		7P	7P GLADYS J PETERSON	2 3 4 5 7
NEW ENGLAND	6315	METTINGER	1	46 33	102 52	2621		8A	8A ADNA S HATCH	2 3 5
NEW ROCKFORD	6350	EDDY	5	47 41	99 08	1555			9S VALENTINE A RIEDER	3
NEW ROCKFORD 6 NW	6355	EDOY	5	47 44	99 15	1550		6P	6P RICHARD STEINBACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2183		6P	6P WM F GAEBE	2 3 5
OAKES	6620	DICKEY	5	46 08	98 05	1320		8A	8A C W HAGEN	2 3 4 5
OMEWEE 3 S8	6703	BOTTINEAU	12	48 39	100 20			MID	ARTHUR B VOLLMER	CLOSED
PARK RIVER	6857	WALSH	17	48 23	97 45	998		5H	5P MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929		6P	6P C E SHUBERT	2 3 5 7
PEMBINA CAA AP	6947	PEMBINA	10	48 57	97 15	792	MIDMIO		U S CIVIL AERO ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 01	98 00	1524		7P	7P T C OYERLAND	2 3 5 7
PETTIBONE	7047	KIDDER	8	47 07	99 31	1860		7P	7P L H DETHLOFF	2 3 5 7
PORTAL	7201	BURKE	12	49 00	102 33	1954		9A	8A O S CUSTOMS 9ER	2 3 5 7
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205		5P	5P E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51				8P FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALYIN LARSON	3 4
REEGER 14 N	7452	S	1	46 19	102 57	2860		8A	CHAS M MET21NGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467		5P	5P ASSUMPTION ABBEY	2 3 4 5 7
RIVERDALE GARRISDN DAM	7585	MC LEAN	8	47 30	101 24	1910		5E	5P CORP9 OF ENGINEERS	2 3 4 5 6 7
ROLETT8	7655	ROLETTE	12	48 40	99 50	1625		MIDMID		GEORGE F GEHRES	3 4
ROLLA	7664	ROLETTE	9	48 52	99 37	1860		7P	7P THEO 8 FAGERLUND	2 3 5 7
RUGBY	7704	PIERCE	12	48 22	100 00	1560		6P	6P FRANK BORNSTEIN	2 3 5 7
RYDER	7749	WARD	8	47 55	101 40	2108			8A 9 C SCBELLENBAUM	3
SANISH	7834	MOUNTRAIL	8	47 59	102 32	1835		7A	7A H J BUGGE	2 3 5
SARLE9	7844	CAVALIER	9	48 57	99 00	1585			MIO CLARENCE J OLSON	3 4
SEARING	7944	MC KINZIE	13	47 34	103 48			MIO	GLENN 9 MC RAE	3 4
SELFRIDGE 11 W	7952	SIOUX	8	46 01	101 10	2183		7P	L E WILSON	3
SHARON	7986	STEELE	10	47 36	97 54	1516		8P	8P HUGH LYON	2 3 5 7
SBERWOOD	8047	RENVILLE	12	49 00	101 38	1647		6P	U S CUSTOMS SERV	3
SHEYENNE	8057	EDDY	11	47 50	99 07	1500		MIO	ALVIN E SODERHOLM	3 4
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EOWARDS	2 3 5 7
STEELE	8366	KIODER	8	46 51	99 55	1857	8P	8P	LEON Y LESHER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC BENRY	12	48 21	100 24	1482	7P	7P	AUGUST 8 RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S MAAS	2 3 5
TUTTLE 8 SW	8850	KIOGER	8	47 02	100 04	1936		8P	ADAM LENO	2 3 5
UNDERWOOD I2 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W HATTOON	2 3 5
UPBAW WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U 9 WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS 1 C ROBERTSON	2 3 5
VAN BOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDER9ON	2 3 5 7
VERONA	9035	LA MOURE	5	46 24	98 04			10A	LOUIS J MANOSON	3
WARPETON POWER PLANT	8095	RICHLAND	10	46 17	96 36	962		MIA	VICTOR BURTON	3 4
WARPETON STATE SCHOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCE	2 3 5 7
WALHALLA	9155	PEMBINA	9	48 56	97 54	850		7P	JAMES N TOUWANE	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	8P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5 7
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JONATHAN WINKJER	3
WILLISTON WB CITY	8425	WILLIAMS	8	48 09	103 35	1877	MID	MID	D S WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	8445	BOTTINEAU	12	48 36	100 17	1471	8P	8P	O W SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2139	8A	8A	SOO LINE AGENT	2 3 5
WISHEK	9515	MC INTOSH	8	46 16	99 34	2010	8A	8A	H M LARSON	2 3 5
					NEW STATIONS					
FRYBURG	3277	BILLINGS	4	46 53	103 18	2790		7A	HERMAN J MAY	3
TROTTERS	8812	GOLDEN VALLEY	13	47 20	103 54	2420		MID	EUGENE A RUSSELL	3 4

† DRAINAGE CODE: 1 Cannonball; 2 Devils Lake; 3 Grand; 4 Heart; 5 James; 6 Knife; 7 Little Missouri; 8 Missouri; 9 Pembina; 10 Red; 11 Sheyenne; 12 Souris; 13 Yellowstone

See reference notes following Table 1.

WBO MC 3-10-50 1100

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CHARLES SAWYER, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

NORTH DAKOTA

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FEBRUARY 1950
Volume LIX No. 2

KANSAS CITY: 1950

NORTH DAKOTA - FEBRUARY 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

Following the coldest January of record, February averaged only slightly below normal for temperature and the precipitation was light. Very little melting occurred during the month and much of the heavy snow cover at the end of January remained on the ground throughout February. At the close of the month there was 30 inches of snow on the ground in Kidder County and it tappered off to 2 inches in Golden Valley County. Several blizzards occurred throughout the month but they were not severe. Winds were high on the 7th and on the 27-28th.

The mean temperature for the state was 8.8° or 0.9° below the average. The warmest periods occurred from the 5th to the 9th and on the 27-28th, while the coldest period was from the 23-25th. The mean temperature for the eastern division was 6.3°; for the middle division 7.5° and for the western division 12.7°. The highest temperature for the state was 54° at Medora on the 16th and the lowest was -41° at Belcourt on the 25th, making a range of 95° for the state. The February temperature averaged 19.3° higher than the January temperature and 6.6° higher than the average state temperature for February 1949.

Precipitation for the state averaged 0.32 inch or 0.15 inch below the February normal. It was 0.72 inch less than occurred in January 1950 and 0.14 inch less than in February 1949. An average of 0.14 inch fell in the eastern division, 0.35 inch in the middle division and 0.49 inch in the western division. This is the first February since 1944 that more precipitation occurred in the western division than in the eastern division. The greatest amount for any station was 1.16 inches at New England; the least was 0.02 inch at Bald Hill Dam. The average snowfall for the state was 4.4 inches.

Much yard feeding of livestock was necessary due to the heavy snow cover and a few ranchers were getting short of feed but livestock remained mostly in good condition. Some side roads were closed at times but main highways remained open. -- FJB

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin Series, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal Agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismarck WB Airport	E	16	10.2	36	NW	28	77	77	70	77	7	4	2	0	0	0	13	59	7.1	1599
Devils Lake WB City	-	-	8.7	33	NW	28	-	-	-	-	17	4	0	0	0	0	21	71	7.2	1696
Fargo WB Airport	NNW	18	12.7	43	NW	28	72	72	69	72	10	3	1	0	0	0	14	74	5.5	1652
Williston WB City	-	-	7.2	31	NW	17	-	-	-	-	13	3	3	0	0	0	19	67	7.7	1450

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	10.0	62	-45	0.58	4.9	4
1893	- 0.3	52	-41	0.58	5.7	4
1894	8.0	55	-54	0.22	2.3	2
1895	5.9	85	-40	0.38	3.6	4
1896	14.3	84	-50	0.41	4.3	3
1897	6.1	52	-29	1.16	11.5	7
1898	13.3	65	-40	0.46	4.5	3
1899	0.4	80	-34	0.20	1.9	3
1900	1.3	48	-48	0.47	4.5	4
1901	7.1	60	-48	0.31	2.9	3
1902	12.1	51	-31	0.98	6.7	6
1903	3.1	48	-33	0.38	3.7	3
1904	- 2.1	52	-49	0.69	7.6	5
1905	8.2	64	-42	0.31	2.9	2
1906	9.8	57	-46	0.18	1.4	2
1907	10.7	58	-38	0.33	2.8	3
1908	13.8	82	-49	1.04	10.1	5
1909	9.6	56	-34	0.34	3.7	4
1910	3.4	58	-34	0.59	5.6	4
1911	7.3	55	-50	0.70	8.0	3
1912	11.8	48	-38	0.15	1.7	2
1913	8.5	84	-33	0.09	1.0	2
1914	1.0	57	-44	0.34	3.8	3
1915	17.4	50	-47	0.62	8.1	3
1916	8.4	55	-20	0.48	4.8	4
1917	- 0.7	61	-39	0.66	7.1	5
1918	10.8	60	-48	0.22	2.3	3
1919	7.7	58	-41	0.62	6.5	5
1920	12.5	53	-40	0.30	3.2	3
1921	19.9	64	-36	0.39	3.8	3
1922	0.7	45	-33	1.19	12.8	5
1923	4.1	48	-39	0.64	7.2	4
1924	20.3	67	-40	0.39	4.2	3
1925	16.5	62	-27	0.29	3.6	3
1926	22.3	58	-39	0.41	3.7	4
1927	13.3	50	-19	0.36	3.1	4
1928	18.8	59	-31	0.11	1.2	2
1929	2.8	44	-19	0.29	3.3	4
1930	21.7	63	-44	1.18	11.7	6
1931	28.0	62	-30	0.28	2.9	2
1932	13.6	69	-31	0.32	4.3	3
1933	7.9	58	-45	0.28	3.3	3
1934	19.5	61	-30	0.06	0.7	1
1935	24.0	63	-25	0.20	1.9	2
1936	-12.9	43	-60	0.70	9.1	6
1937	6.8	55	-35	0.49	6.6	4
1938	7.2	60	-35	0.68	8.6	5
1939	- 0.8	51	-46	0.63	9.7	5
1940	15.0	52	-29	0.61	7.8	7
1941	12.2	57	-40	0.22	2.8	3
1942	14.1	57	-30	0.36	4.6	5
1943	15.1	62	-32	0.50	6.4	5
1944	11.2	50	-43	0.29	4.3	4
1945	15.1	52	-29	0.36	4.6	4
1946	10.4	60	-40	0.66	8.1	6
1947	8.8	54	-36	0.40	3.5	5
1948	7.0	60	-37	0.99	12.7	7
1949	2.1	57	-40	0.46	6.3	6
1950	8.9	54	-41	0.33	4.4	3
PERIOD	9.7			0.47	5.1	

See reference notes following Station Index.

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
Amenia	8.2		36	27	- 28	25		28	.10		.10	18	2.0	22	1+	1		
Arvilla State Park	4.9		36	27	- 39	25		28	.30		.24	28				3		
Baldhill Dam	6.7M		37	28	- 22	1		27	.02		.02	23	.5			1		
Carrington	4.3M	- 4.6	36	10	- 22	1		28	.10	- .38	.10	18	1.2	22	1+	1		
Cavalier Power Plant	4.6	- 1.5	33	27	- 31	25		28	.21	- .30	.10	17	2.8	24	1+	5		
Cooperstown	6.4	- 1.4	35	27	- 31	25		28	.15	- .37	.15	18	2.0			1		
Devils Lake WB City	4.3	- .8	34	27	- 29	25		28	.10	- .40	.05	22	1.6	22	1	4		
Edmore 1 W	2.8	- 2.0	33	27	- 30	24+		28	.07	- .34	.07	17	1.0	25	1	1		
Elisndale	11.4	- 1.7	39	7	- 17	1		28	.23	- .26	.18	12	1.5	19	1+	3		
Fargo WB Airport //	6.1	- 2.0	34	7+	- 30	25		28	.26	- .43	.12	18	2.5	18	1+	4		
Forman	11.1	- .8	40	7	- 19	25		28	.05	- .45	.05	18	.5	16	1+	1		
Fullerton	10.4	- 2.0	38	27	- 19	1		28	.34	- .37	.24	17	3.4	17	1+	2		
Gackle	9.6M	- .9	35	27	- 15	1+			.30	- .15	.13	17	5.0	29	1+	3		
Grafton State School	5.0	- 2.3	33	27	- 34	25		28	.20	- .37	.17	18	1.0	22	1+	2		
Grand Forks CAA //	3.0	- 4.7	33	7	- 33	25		28	.10	- .46	.04	17	1.2	21	1	4		
Grand Forks Univ	3.7	- 4.0	34	7	- 29	24		28	.05	- .51	.01	7+	1.4	21	1	5		
Hankinson R R Sta.	7.8M	- 6.3	42	28	- 21	25+			.04	- .50	.04	18	.5			1		
Hannah	2.2	- .4	31	27	- 34	25		28	.19	- .40	.11	17	1.8	10	1+	2		
Hillshoro	5.8	- 4.4	34	7+	- 30	25		28	.14	- .41	.07	22				3		
Jamestown CAA //	7.2	- 2.7	36	27	- 18	1+		28	.26	- .33	.15	17	2.9	35	1+	6		
Jamestown State Hosp.	9.0	- .9	36	27	- 17	1		28	T	- .59		10+	T					
Kensal Wildlife Ref.	5.5		36	27	- 24	25		28	.06		.06	17	1.0	28	17+	1		
La Mours	10.2		39	8	- 21	1		28	.06		.04	12	1.1			2		
Langdon Exp Farm	2.9	- 1.9	30	27	- 34	24		28	.40	- .23	.24	17	3.9	31	18+	3		
Larimore	6.4	- 1.3	32	7+	- 32	25		28	.20	- .35	.20	17	2.2	24	1+	1		
Lishon	6.8	- 4.8	38	28	- 20	25		28	.04	- .55	.04	19				1		
Mayville	6.3	- 3.5	36	27	- 34	25		28	.26	- .18	.07	7+	3.2	20	1	4		
Mc Henry 5 N	5.1	- .3	33	27	- 29	25		28	.11	- .34	.03	10		25	1+	6		
Mc Leod 3 E	8.6	- 4.4	38	27	- 27	25		28	.03	- .53	.03	18	.3			1		
Munich 4 SW	1.6		33	27	- 29	25		28	.18		.14	17	2.3	25	1+	3		
Oakes	8.2	- 4.7	40	8	- 23	1		28	.12	- .34	.08	18		15	1+	2		
Park River	5.9M	- 1.8	33	27	- 27	25		27	.05	- .37	.05	18	.7	21	1+	1		
Pembina CAA //	- .5	- 2.3	32	7	- 40	25		28	.33	- .29	.19	17	3.7	19	22+	8		
Petersburg	M.8		33	27	- 28	24+		28	.11	- .39	.11	28	1.5	24	1+	1		
Sharon	7.5M	- 2.0	34	27	- 24	24		27	.08	- .40	.03	17+	1.3	28	18+	3		
Valley City	9.6	- 1.9	37	27	- 20	25		28	.07	- .52	.07	18	1.5			1		
Wahpeton State School	9.8	- 2.6	38	27	- 27	25		28	.05	- .42	.04	18	1.4	18	1+	2		
DIVISION	6.4	- 2.5							.15	- .40			1.8					
MIDDLE DIVISION																		
Ashley	9.8	9.4	36	27+	- 17	1		28	.29	- .16	.11	12	5.0	28	25+	6		
Halcourt Indian Res	2.7		43	27	- 41	25		28	.15		.15	17	1.5	15	17	1		
Bishee	4.0	- 2.5	35	27	- 29	25		28	T	- .36		10+	T	18	1+			
Bismarck WB City	11.3	- .3	41	27	- 15	4		28	.59	.20	.34	12	8.6	16	25+	4	1	
Bismarck WB Airport	7.9	- .6	40	27	- 25	1		28	.55	.11	.27	12	9.0	16	17+	6	1	
Hottineau	4.5	- .4	32	27	- 27	1		28	.23	- .13	.15	17	2.8	14	17+	4		
Hutte	10.1	- 3.0	40	27	- 15	11		28	.28	- .25	.22	17				2		
Carson 2 SW	12.1	- 2.4	37	8+	- 15	18+		28	.58	.10	.15	12	9.0	28	24+	6		
Center	9.8	- 2.7	40	8	- 25	1		28	.43	.01			4.6	17	24+	5		
Drake	6.6	- 3.8	44	10	- 20	1		28	.24	- .23	.12	13	3.2			3		
Dunseith St. Sanitar	6.8	.1	41	27	- 27	25		28	.19	- .23	.15	17	4.0	18	17+	2		
Eckman	2.7	- 4.8	33	28	- 25	1		28	.44	.07	.27	18	5.0	21	18+	3	1	
Fessenden	8.8	- 2.9	35	9+	- 18	1+		28	.19	- .33	.09	12		22	1	3		
Fort Yates	11.6	- 1.0	38	27	- 20	1		28	.76	.30	.35	12	11.3	28	25+	7	1	
Foxholm Wildlife Re	8.8	- 3.2	39	27	- 17	18		28	.59	.12	.30	13	7.0	20	17+	4	1	
Garrison	9.0	- 2.1	39	27	- 15	1+		28	.38	- .13	.24	12	3.8	17	1+	3		
Granville	6.4	- 3.6	38	9	- 20	1+		28	.36	- .07	.15	17		21	17+	3		
Hanshoro	3.2	- 2.9	35	27	- 31	25		28	.07	- .43	.03	10+	2.6	17	1+	3		
Leeds	4.7		33	27	- 33	25		28	.18		.15	17	2.3			2		
Linton	12.9	- .9	39	27	- 24	1+		28	.35	- .07	.13	12	4.8	18	24+	6		
Maddock Agr School	4.7	- 5.0	33	27	- 26	25		28	.14	- .26	.09	17				2		
Mandan Exp Station	8.7	- 3.9	39	28	- 17	1		28	.40	.01	.17	13	6.2	17	1+	7		
Mandan Ft Lincoln Park	11.5		41	27	- 20	1		28	.55		.27	12	8.5			6	1	
Max	7.0	- 2.6	39	28	- 31	1		28	.25	- .20	.15	13	5.0	15	13+	3		
Mc Clusky	9.1	- 2.7	38	27	- 13	18		28	.44	- .08	.33	12	3.5			3	1	
Minot CAA //	7.7	- 2.5	39	27	- 16	11		28	.29	- .14	.13	12+	5.0	17	1	4		
Minot Exp Farm	8.2		40	27	- 18	18		28	.08		.04	13	1.3	16	1+	4		
Mohall	5.8	- 1.7	35	7+	- 20	18		28	.50	.15	.22	17	5.3	18	17	4		
Napoleon 1 SE	8.8	.0	36	27	- 16	24		28	.70	.29	.30	12	6.1	33	17+	4	2	
New Salem 1 S	11.3	- 1.7	40	16+	- 17	1		27	.52	.08	.13	12	8.0			6		
Pettibons	8.7	- .3	37	27	- 20	1		28	.31	- .08	.18	12	3.6	30	17+	5		
Riverdale	7.6		38	28	- 22	1		28	.32		.22	18				3		
Rolla	4.0	- 2.8	43	27	- 28	25		28	.20	- .27	.19	17	2.2	20	17+	2		
Rugby	8.2		33	9+	- 22	25		28	.33	- .12	.16	11	5.5			3		
Steele	7.9	- 1.7	38	27	- 19	14		28	.60	.22	.43	12	6.5	35	17+	3	1	
Towner	5.7	- 2.2	37	10	- 22	1+		28	.28	- .20	.13	17	5.5			3		
Turtle Lake	8.9M	- .7	38	27	- 17	1+												
Underwood 12 W	10.0	- 4.3	41	27	- 26	1		28	.28	- .16	.12	18	5.0			3		
Upham Wildlife Ref	5.1M		35	27	- 25	1		28	.51		.18	17	7.4	20	17+	4		
Velva	8.6	- 2.8	40	27	- 19	1		28	.26	- .24	.10	12+	3.5	23	1	3		
Washburn	11.4	.7	41	27	- 13	1		28	.31	- .08	.19	12	4.0			2		
Westhope	3.8	- 3.9	32	27	- 26	18		28	.56	.24	.27	17	9.0	23	17+	3	2	
Willow City	3.0	- 2.1	33	27	- 30	1+		28	.30	- .24	.17	17	4.0	12	1	3		
Wilton R R Station	7.1M	- 3.2	38	28	- 21	1		28	.28	- .11	.20	13	5.0	20	1+	2		
Wishek	7.2M	- 3.0	36	28	- 21	14			.28	- .14	.20	13	6.3	30	1+	4		
DIVISION	7.5	- 2.0							.35	- .09			5.2					

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail: Total	Snow, Sleet, Hail: Max. depth on ground	Snow, Sleet, Hail: Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
Almont 7 SW	13.2		1	27	- 14	24		28	.45		.18	12	7.6			6		
Amidon	20.3	4.1	49	16+	- 9	1+		28	.37	- .10	.14	21	4.3	6	25	4		
Beach	20.4	4.4	51	16	- 14	1		28	.49	.09	.24	25	8.6	7	25	5		
Belfield	17.5	2.1	49	16	- 14	4		28	.47	.02	.16	12	7.0	9	1+	6		
Bowbells R R Station	7.8M	.1	42	17	- 19	1		28	.49	.07	.18	17	6.2	14	28	5		
Bowman Court House //	19.3	1.9	48	16+	- 12	1		28	1.05	.61	.45	21		8	24	6	1	
Crosby	7.8M	- 1.7	37	28	- 24	1		28	.37	.01	.18	17	5.5	15	17+	5		
Dickinson CAA	15.6	2.8	42	16+	- 10	24+		28	.56	.13	.19	24	5.6	9	25+	8		
Dickinson Exp Sta	12.9	.1	44	17	- 20	1		28	.47	.04	.13	12	6.1	9	1+	6		
Dunn Center	10.4	- 3.7	45	10	- 23	1		28	.33	- .13	.14	12	4.9	14	1+	4		
Elbowoods	7.8	- 4.3	43	17	- 31	1		28	.41	.02	.18	17	6.0	15	1+	3		
Epping	11.1	1.7	41	16	- 15	1		28	.23	- .17	.18	17				2		
Grenora	11.0M	2.0	35	17+	- 15	1		28	.02	- .43	.02	12	.3	10	1+	1		
Kenmare	8.3	.1	42	17	- 21	1		28	.30	- .09	.10	18		20	18	5		
Marmarth	19.9	2.7	51	16	- 22	1		28	.84	.43			9.3	9	24+	4		
Medora T R N M P	17.7		54	16	- 27	1		28	.44		.15	24	5.6	5	1+	5		
Mott	13.5	- .6	47	16	- 22	1		28	.53	.05	.18	21	9.8	16	24+	5		
New England	17.2	2.7	49	16	- 17	1		28	1.16	.67	.52	25	12.9	15	25+	6	1	
Parshall	8.8M	.1	41	27	- 24	1		28	.36	- .03	.25	17	4.0	21	17+	2	1	
Portal	6.6M	.4	39	17	- 22	1		28	.83	.45	.51	13				4	1	
Richardton Abbey	14.8	.1	42	16+	- 11	24		28	.55	.14	.22	12	5.6	11	1+	6		
Sanish	7.2	- 1.4	39	28	- 28	1		28	.28	- .17	.14	18				3		
Stanley	5.6		37	16+	- 23	1		28	.34	- .07	.20	12	5.5	16	12	2		
Van Hook	10.1		40	27	- 24	1		28	.20		.12	12	2.3	16	17+	2		
Watford City	14.0	.3	46	16	- 16	1		28	.66	.23	.36	17	4.2	14	1+	4	1	
Williston WB City	13.2	5.1	44	16	- 12	1		28	.64	.23	.28	17	6.4	14	1+	6	1	
DIVISION	12.8	.9							.49	.06			6.1					
STATE	8.9	- .8							.33	- .14			4.4					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA
FEBRUARY 1950

Station			Day of month																												Total
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S												.02											.01					.06	.08				.17
Alexander RR Station					T								T	.10					.20						.08	T	.04		T				.42
Almont 7 SW														.18	.04				.06						.04	T	.05	.08					.45
Alpha 1 S												T	T	T					.04			T	.11		.06	.10	.04						.35
Amenia																				.10		T		T					T				.10
Amidon		2											T	T					T				.14		.08	.05	.10						.37
Arvilla State Park																				.05				.01					.24				.30
Ashley		2												.11	.06				.03						.02	.04	.03						.29
Baldhill Dam																									.02								.02
Balfour		R												.13	.02				.05														.20
Beach							T							T					.07				.06		.09	.03	.24						.49
Belcourt Indian Ree.										T	T								.15							T			f				.15
Belfield														.18					.05				.03		.07	.03	.13						.47
Beulah														.22					.04						.07								.33
Biebee												T							T					T				T					T
Biemarck WB City										T				.34			T		.15	T	T			T	T	.08	.01	T					.59
Biemarck WB Airport		2											T	.27	.02		T		.17	T	T			T	.01	.07	.01	T		T			.55
Bottineau														.03	.03				.15					.02		T		T					.23
Bowbelle RR Station												.02			.13				.18	.09						T				.07			.49
Bowman Court House		2 //					T							.04					.10				.45	T	.15	.10	.21						1.05
Breien		R												.27	.03				.14	.01					.01	.14	.05						.65
Butte														T	.06				.22					T									.2B
Carrington														T	T					.10										T			.10
Careon		R												.18	.04				.12			.02	.02		.05	.08	.01						.53
Carson 2 8W													T	.15	.09	T	T		.10				.08		.02	.14							.5B
Cavalier Power Plant												.02				T			.10	.03	.02								.04				.21
Center														*	.23				.10						.05	.05	T	T					.43
Colgate												.12																	.14				.2B
Cooperstown																				.15													.15
Courtenay												T							.03		T								T				.03
Crosby												T		.09	.06				.18	.03						T	T		.01				.37
Oaweon		R												.18					.07														.25
Devils Lake WB City		2	T	T					T	T	T	.01	T	T	T	T		T	.03		T	T	T	.05	T	.01		T	T	T			.10
Dickinson CAA AP		2											.03	.08	.01	T			.06		.02	T	T		.14	.19	.03	T		T			.56
Oickinson Exp. Sta.														.13	.06		T	T	T	.07			T	T	.05	.05	.11	T					.47
Drake															.12					.11									.01				.24
Ounn Center														.14	T				.10	T		T			.07	T	.02						.33
Ouneeitb St. Sanitarium				T					T		T			T	.04				.15									T					.19
Eckman														.02	.15					.27														.44
Edgeley Exp. Farm		Z												.16		.01			.05			T		T					T				.22
Edmore 1 W												T				T	T	T	.07			T		T				T					.07
Elbowoods														.10					.18							.13							.41
Eiiendale														.18	T				.03	.02		T											.23
Epping														.05					.18														.23
Fairfield 8 N													T	.08						.09			T		.09	T	.07		T	T			.33
Fargo WB Airport		Z //	T						T			T				T	T		.05	.12		T		.03	T	T	T	T		.06			.26
Feeeenden												.04		.09					.06														.19
Flaeher														.09	.22					.04					.05		.08						.4B
Forman												T		T		T			T	.05		T								T			.05
Fort Yatee														.35	.14				.01				.11		.03	.02	.10						.76
Foxholm Wildlife Refuge														.15	.30				.13									.01					.59
Fryburg														.04	T				.12	.02			.02	.01	.02	.02	.03						.28
Fullerton												T		.10		T			.24			T											.34
Gackle									T					.12					.13	.05													.30
Garrison													T	.24	.04				.10					T		T				T			.38
Glen Ullin		R												.20	.04										.09	.07	.01						.41
Grafton State School									.03			T				T		T	T	.17				T					T				.20
Grand Forks CAA AP		2 //							.03			T				T			.04	T	T	T		.02	T				.01				.10
Grand Forks Univ.						T	T		.01	T	T	.01				T					T	.01		.01	T				.01				.05
Grano		R //	.03	.05										.14	.01			.02	.33									*	.50				1.0B
Granville												T		.11	.10				.15					T		T		T					.38
Grenora														.02														T					.02
Halliday														.15	T				.13						.04	.03	.03						.38
Hankinson RR Station																				.04													.04
Hannaford		R																						.02									.02
Bannab												.08							.11										T				.19
Hannsboro										.01		.03							.03	T		T		T					T				.07
Barvey Water Worke													T	.08						.05													.13
Haynes 6 NE														.10					.08			.10	.10		.10	.05							.53
Bazelton RR Station		R //											.01	.36	.05				.20						.05		.03	.01					.71
Billeboro									T			T							T	.04		T		.07					.03				.14
Burdefield		R											.01	.14	.05				.15														
Jamestown CAA AP		Z //										T		.01	T	T			.15	.03		.02		.04	.1			T	T	T			.2B
Jamestown State Hospital												T		T					T			T		T					T				T
Kenmare											.33	.03		.08	.07					.10										.02				.30
Kensal Wildlife Refuge												T		T					.06			T		T					T				.08
Kramer 5 8E														.18	.06				.05					.03									.32
La Moure												T		.04					T	.02				T									.08
Langdon Exp. Farm											T								.24	.04									.12				.40
Larimore																			.20														.20
Leede									T		.03	T	T	T					.15	T				T		T		T					.18
Linton														.13	.06				.04						.04	.05	.03						.35
Liebon																					.04				T								.04
Maddock Agr. School												T		.05					.09					T					T				.14
Mandan Exp. Station		2												.09	.17		T			.07					.01	.02	.03	.01					.40
Mandan Ft. Lincoln Park														.27	.09		T		*	.13					T	.03	.03	T					.55
Marmarth								.02				T	T			T			T			*	.49		T	.33							.84
Martin												T		.08	.04				.05				T	T									.17
Max												T		.05	.15					.05													.25
Mayville									.07			T				T			T	.07	T	T		.08						.06			.28
McClusky														.33					.10	.01													.44
McHenry 5 N									.02			.03							.02	.01				.02		.01			T				.11
McLeod 3 E												T								.03				T									.03
McVille																			.03														.03
Medina 1 W														.14					.12														.26
Medora TRNMP													T	.07	T				.09				T		.08	.15	.05						.44
Melville		R																											.02	.27			.28
Minot CAA AP		2 //							T			T	T	.13	.02	T	T		.13					T		T	T	.01	T				.28
Minot Exp. Farm												T		.02	.04				.01				T	T				.01					.08
Moffit RR Station		Z												.04	.23				T	.20							T	.03					.50
Mohail										T	.05			.13	.10				.22														.50
Montpelier									T				T	.03	.02		T			.07			T		T								.12
Mott		2												.14					.09				.18		.03	.09							.53
Munich 4 S										T	.02								.14			T		T			T	T	.02				.18
Napoleon 1 SE		Z												.30	.12				.27	T					T	.01	T		T				.70
New England								T						.09					.14				.11		.22	.08	.52						1.18
New Rockford												T		T	T				.09					.03									.12
New Rockford 6 NW												.04		T	T				.14	T				.03	T	T		T					.21
New Salem 1 S														.13	.08				.13				T		.05	.09	.04	T		T			.52
Oakes		2												.04	T					.08														.12
Park River										T	T					T			T	.05				T					T				.05
Parshall														.11					.25										T				.36
Pembina CAA AP		2 //	T	T					T	T	.01	.02				.01			.19	.03	T	.01		.03	T				.03				.33
Petersburg																						T							.11				.11
Pettibone		R										T		.18	.02				.09	T		.01							.01				.31

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

NORTH DAKOTA
FEBRUARY 1950

Station		Day of month																											Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Portal											.08			.51			.11	.13							T				T				.83
Pretty Rock												.04	.06	.06				.08				.12		.05	.15	.19							.75
Reeder 14 N							T						T	T				T	.08			.11		.03	T	.06							.28
Richardton Abbey	2											T	.22	.02	T			.12			T	T		.07	.03	.09			T				.55
Riverdale	2												.02	.08				T	.22	T				T	T	T	T						.32
Rolette													.05					.14									.02						.21
Rolla										T	.01							.19			T		T		T		T		T				.20
Rugby										T	T	.16	.06					.11									T		T				.33
Ryder													•	.10				•	.08									T					.18
Sanish													.12						.14					.02					T				.28
Sarles	R //																	.14											.24				.38
Selfridge													.09	.20				.10	.03		.13			.09	.09	.09	.05						.87
Sharon																		.03	.03				.02										.08
Sherwood											T		.16	.07				.15															.38
Sheyenne	R																	.04					.05										.09
Stanley													.20					.14											T				.34
Steele		T											.43	.12				.05			T				T	T		T					.60
Tagus			T							T			.08	.07				.06					T		T				.02				.23
Tioga											T		.23													T							.23
Towner													/	.11				.13					.04						T				.28
Trottere Gen. Store	R												.04					.07						.10	.14								.35
Turtle Lake													-	-					-														-
Tuttle 8 SW													.22	.09				.10	.14						T	T	.01						.56
Underwood 12 W											T	.11	.05	T				T	.12					T	T				T				.28
Upham Wildlife Refuge										T	T		.17	.10				.18					.06		T								.51
Valley City																			.07		T						T						.07
Van Hook													.12	T				.08						T		T		T					.20
Velva											T		.10	.06				.10					T				T						.26
Verona											.10																						.10
Wahpeton Power Plant	R																																.00
Wahpeton State School								T			T				T				.04				.01						T				.05
Washburn													.19					.12					T				T						.31
Watford City													.14					.36						.13				.03					.66
Westhope											.03		.26					.27					T										.56
Wildrose													.08					.22				T					T	.02					.32
Williston WB City	R	T		T	T			T				.12	.14	T	T	T		.28	T			T	T	.06	.03	T	T	T	.01				.64
Willow City										T	.03		.10					.17							T		T		T				.30
Wilton RR Station														.20					.08														.28
Wishek														.20				.05						T	.01	.02	T	T					.28

See reference notes following Station Index.

HOURLY PRECIPITATION

Station		A.M. Hour ending												P.M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																										
EDGELEY EXP FARM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLVA 1 S E		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO	//																.01	.01	.01							.03
HETTINGER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PETTIBONE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUE	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEARING	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—2d—																										
GRANO	//			.01	.02	.02																				.05
—7th—																										
GRAND FORKS CAA	//							.01	.02																	.03
—9th—																										
PEMBINA CAA	//																			.01						.01
—10th—																										
DEVILS LAKE WE CITY													.01													.01
PEMBINA CAA	//		.01	.01					.01	.01																.04
—11th—																										
DICKINSON CAA																									.01	.01
HAZELTON E E STATION	//																								.01	.01
HURDSFIELD																									.01	.01
MOTT																									.01	.01
EICHARDTON ABBEY																						.01	.01	.02	.01	.05
WILLISTON WE CITY																						.02	.03	.04	.03	.12
—12th—																										
AMIDON		.01	.01						.01	.01																.04
ASHLEY	//							*	*	*	*	*	*	*	*	*	*	*	*	*	.17					.17
BALFOUE												.01	.01	.01		.01	.01			.02	.02	.01	.01	.01	.01	.13
BISMARCK WB AIRPOET		.01		.01			.01	.01	.02	.02	.02	.02	.02	.01	.01	.02	.01	.01	.02	.01	.01	.01	.01	.01		.27
BOWMAN COURT EOUSE	//	.01	.02		.01			.01		.02	.01	.01														.09
EREIEN		.01	.01	.01	.01	.01	.01	.02	.03	.02	.02	.02	.01	.01		.01			.01	.01	.01	.01	.01	.01	.01	.27
CARSON		.01	.01	.01				.01	.03	.01		.01		.03	.01				.01	.02	.01	.01			.01	.19
DAWSON				.04	.01	.01	.02	.01	.01	.01	.01				.01	.02	.01	.01				.01				.18
DICKINSON CAA		.01	.01		.01			.01	.01				.01	.01	.01											.08
FORT YATES			.01	.02	.01	.01	.01	.03	.03	.03	.04	.05	.03	.02	.03	.01	.01	.02	.03	.03	.01	.02	.02	.01	.02	.50
GLEN ULLIN		.01	.01	.03	.01	.01			.03	.01	.01	.01	.01	.01	.01			.01	.01				.01		.01	.20
GRANO	//										.01	.01	.02	.01		.01		.01	.01		.01	.02	.03			.14
HAYNES 8 NE						.01	.01			.04		.01		.01		.01			.01							.10
HAZELTON E R STATION	//	.01						.02	.03	.01	.01	.03	.01	.03	.02	.04	.01	.03	.01	.01	.02	.02	.01	.03	.01	.36
HURDSFIELD				.01	.01	.01					.01	.01		.01		.01		.01	.01			.01	.02	.02		.14
JAMESTOWN CAA	//							*	*	*	*	*	*	*	*	*	*	*	.01							.01
KRAMER 5 SE									.02	.01		.02	.01	.02	.01	.01	.02	.02	.01	.01	.01		.01			.18
MANDAN EXP STATION		*	*	*	*	*	*	*	.09	.01	.01	.02	.01	.01				.01	.02	.01		.01				.20
MINOT CAA	//			.01						.02	.02		.01	.01	.01	.01	.01			.01	.02	.01	.01		.01	.16
MOTT		.02	.01			.01				.02					.01	.01	.01	.01	.01							.11
NAPOLEON 1 SE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OAKES				.01	.01	.01		.01																		.04
EICHARDTON AEBEY		.01	.03			.01	.01	.01	.02	.01		.01	.02	.01	.01			.02								.17
EIVERDALE									.01	.01	.01			.01		.01		.01		.01			.01	.01		.09
EOLETTE																.01	.01			.01		.01	.01			.05
TROTTEES GEN STORE		.01	.01	.01				.01																		.04
WILLISTON WB CITY		.01	.01	.04	.02	.01			.02	02	.01															.14
—13th—																										
BALFOUR			.01	.01																						.02
EISMARCK WE AIRPOET				.01			.01																			.02
BREIEN		.01	.01	.01																						.03
CAESON		.01	.02	.01																						.04
FORT YATES		.01	.01																							.02
GLEN ULLIN		.01							.01	.01	.01															.04
GRANO	//	.01																								.01
HAZELTON E E STATION	//	.01	.04																							.05
HURDSFIELD			.04	.01																						.05
KRAMER 5 SE		.01	.01		.01				.02	.01																.06
MANDAN EXP STATION			.01	.01	.01	.01			.01																	.05
MINOT CAA	//	.01	.01	.01						.01																.04
NAPOLEON 1 SE		*	*	*	*	.42												-	-	-	-	-	-	-	-	-
EIVERDALE				.01																						.01
—14th—																										
PEMEINA CAA	//										.01															.01
—16th—																										
ASHLEY	//																	*	*	*	*	*	*	*	*	*
GRANO	//									*	.02															.02
—17tn—																										
AMIDON								.04	.04			.01														.09
ASHLEY	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.03							.03
EALFOUR													.03	.01	.01											.05
BEACH							.02	.05																		.07
EISMARCK WE AIRPOET													.02	.03	.06	.04	.01	.01								.17
BOWMAN COURT EOUSE	//						.07	.06	.02																	.15
BREIEN												.01	.04	.02				.01	.02	.01	.01	.01			.01	.14
CAESON											.02	.03	.02		.05											.12
DAWSON															.02	.04	.01									.07
DEVILS LAKE WE CITY																		.02	.01							.03
DICKINSON CAA									*	*	*	*	*	*	*	*	*	.08								.06
FARGO WB AIRPOET	//																				.01	.01	.01	.01	.01	.05
GRAND FORES CAA	//																*	.04								.04
GRANO	//								.01	.07	.05	.03	.02	.04	.05	.01	.03	.01	.01							.33
HAYNES 6 NE										.03	.02		.01		.01	.01										.08
HAZELTON R R STATION	//														.04	.06		.02	.02	.02	.01		.01	.01	.01	.20
HURDSFIELD														.02	.03	.04	.01	.01	.02			.01		.01		.15
JAMESTOWN CAA	//														*	*	*	*	*	*	*		*	*	.15	.15
KRAMER 5 SE											.03	.02														.05
MANDAN EXP STATION												.02	.03	.01												.06

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

NORTH DAKOTA
FEBRUARY 1950

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MINOT CAA	//										*	*	.05	.01	.01	.02	.01	.01	.03	.01	.01	.01				.17
MOTT										.05	.03															.08
OAKES									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PEMBINA CAA	//														*	*	*	*	*	*	*	*	.19			.19
RICHARDTON ABBEY										.06	.04	.01	.01													.12
RIVERDALE										.01	.08	.07	.05	.05												.26
ROLETTE											.01	.04	.03	.02	.02	.01	.01									.14
SARLES 3 E	//											.01	.04	.03	.02	.02	.02									.14
SHEYENNE																	.01	.02	.01							.04
TROTTERS GEN STORE							.05	.01	.01																	.07
WILLISTON WB CITY							.07	.11	.04	.03	.01	.01	.01													.28
													–18th–													
BREIEN		.01																								.01
FARGO WB AIRPORT	//	.02	.03	.03	.02	.01	.01																			.12
JAMESTOWN CAA	//	*	*	*	*	.03																				.03
OAKES		*	*	*	*	*	*	*	.08																	.08
PEMBINA CAA	//																					*	*	*	.03	.03
													–19th–													
DICKINSON CAA												*	*	*	*	*	.02									.02
													–20th–													
AMIDON														.01		.01			.01	.01	.01	.01	.01	.01	.01	.09
BEACH																					.03	.01		.01		.05
BOWMAN COURT HOUSE	//																	*	*	*	*	*	*	*	*	*
CARSON																								.01	.01	.02
FORT YATES																						.05	.05	.05	.03	.18
HAYNES 6 NE																			.01	.01	.01	.02	01	.03	.01	.10
JAMESTOWN CAA	//		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.02							.02
MOTT																			.02	.02	.01	.03	.01	.01		.10
PEMBINA CAA	//							*	*	*	*	*	*	*	.01											.01
													–21st–													
AMIDON							1			.01	.01		.01		.01											.05
BEACH		.01							.01																.01	.03
BOWMAN COURT HOUSE	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.45								.45
CARSON		.01	.01																							.02
FORT YATES		.01	.01																							.02
HAYNES 6 NE			.01	.01		.01	.01	.01	.03	.01	.01															.10
MOTT		.01	.01	.01					.02																	.05
													–22d–													
ASHLEY	//																	*	*	*	*	*	*	*	*	*
DEVILS LAKE WB CITY											.02	.02	.01													.05
FARGO WB AIRPORT	//														.01	.01		.01								.03
GRAND FORKS CAA	//										*	*	*	.02												.02
HANNAFORD					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.02				.02
JAMESTOWN CAA	//												*	*	*	*	*	*	*	*	*	*	*	*	*	–
KRAMER 5 SE									.03																	.03
PEMBINA CAA	//		*	*	*	*	*	*	*	*	*	*	*	*	*	.03										.03
SHEYENNE												.04	.01													.05
													–23d–													
AMIDON												.01		.01												.02
ASHLEY	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.02								.02
BEACH		.01	.01	.02		.02			.02		.01															.09
BISMARCK WB AIRPORT							.01																			.01
BOWMAN COURT HOUSE	//	.01	.03	.02	.01	.05				.01	.01	.01														.15
BREIEN													.01													.01
CARSON						.01	.01	.01	.01				.01													.05
DICKINSON CAA		*	*	*	*	*	*	*	*	*	*	*	*	.14												.14
FORT YATES							.02	.01	.01				.01													.05
GLEN ULLIN			.02	.02							.01	.03	.01													.09
JAMESTOWN CAA	//	*	*	*	.05																					.05
MANDAN EXP STATION										.01																.01
MOTT										.01		.01														.02
RICHARDTON ABBEY		.01	.01	.01	.01					.02	.01		.01													.08
TROTTERS GEN STORE				.02		.01		.02	.03	.01	.01															.10
WILLISTON WB CITY				.01	.01	.04																				.08
													–24th–													
AMIDON																				.02	.06	.04			.01	.13
ASHLEY	//								*	*	*	*	*	*	.04										.01	.05
BEACH				.01			.01													.06	.10	.02	.02			.22
BISMARCK WB AIRPORT						.01	.02			.01			.01						.01				.01			.07
BOWMAN COURT HOUSE	//				.02	.01	.01			.01		.01	.04							.06	.05	.04	.01	.02	.01	.29
BREIEN						.01	.01		.01	.01			.01							.01	.02	.01	.02	.03		.14
CARSON																			.01	.02	.01	.01	.01	.01	.01	.08
DEVILS LAKE WB CITY												.01														.01
DICKINSON CAA																		.02	.02	.01	.01	.05	.03	.02	.01	.17
FORT YATES																					.01	.01	.02	.02	.02	.08
GLEN ULLIN																				.01	.02	.01	.02	.01		.07
HAYNES 6 NE		.01					.01	.01		.01	.01								.01		.02	.02				.10
HAZELTON R R STATION	//										.01	.01		.02	.01											.05
MANDAN EXP STATION								.01			.01															.02
MOTT																	.01			.02	.03	.02	.02	.01		.11
RICHARDTON ABBEY																			.01	.01	.01	.01	.01	.01		.08
TROTTERS GEN STORE											.01		.01		1			.01	.01	.03	.02	.04				.14
WILLISTON WB CITY					.01	.01																			.01	.03
													–25th–													
AMIDON			.01	.01	.01	.01																				.04
ASHLEY	//	.01	.02								.01		.02													.06
BISMARCK WB AIRPORT													.01													.01
BOWMAN COURT HOUSE	//		.01	.01																						.02
BREIEN		.02	.01								.01	.01														.05
CARSON			.01																							.01
DICKINSON CAA			.01	.01	.01																					.03
FORT YATES		.01							.01	.01	.01															.04
GLEN ULLIN			.01																							.01
HAYNES 6 NE						*	.05																			.05
HURDSFIELD										–	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–
MANDAN EXP STATION								*	.03																	.03
RICHARDTON ABBEY			.01																							.01
													–26th–													
HAZELTON R R STATION	//																		.01			.01		.01		.03

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

NORTH DAKOTA
FEBRUARY 1950

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MINOT CAA	//				.01																					.01
ROLETTE																.01		.01								.02
													—27th—													
GRANO	//																			*	*	*	*	*	*	*
HAZELTON R R STATION	//	.01																	-							.01
MELVILLE																								.01	.01	.02
													—28th—													
EDGELEY EXP FARM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//											.01	.01	.01	.01	.01				.01						.06
GOLVA 1 S E		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA	//													*	*	*	*	.01								.01
GRANO	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.45	.01				.01	.02	.01	.50
HETTINGER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MELVILLE			.01		.01	.08	.07	.05					.02	.01					.01	.01						.27
NAPOLEON 1 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA	//		.01	.01																						.02
PETTIBONE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SARLES 3 E	//								.02	.04	.04	.04	.02	.04	.01	.01	.02									.24
SEARING	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY						.01																				.01

See reference notes following Station Index.

Table 5

DAILY TEMPERATURES

NORTH DAKOTA
FEBRUARY 1850

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	9	14	26	19	39	34	37	33	35	27	11	16	15	15	21	37	38	9	14	15	22	26	15	1	8	22	41	30				22.5
	MIN	- 8	- 8	5	0	15	15	18	18	18	1	- 2	6	5	- 5	5	12	5	-11	- 8	5	8	13	- 9	-14	- 2	- 1	18	12				3.8
AMENIA	MAX	6	13	24	19	22	17	34	34	31	28	8	21	17	22	21	25	27	24	10	18	16	28	14	- 5	3	23	36	34				20.4
	MIN	-24	- 7	- 6	-13	3	2	0	6	1	3	-15	5	4	- 4	- 1	- 8	9	- 7	- 7	7	- 1	0	-15	-21	-28	-18	10	11				- 4.1
AMIDON	MAX	7	17	28	32	40	42	35	38	35	26	19	20	20	35	41	48	45	33	32	21	28	30	27	7	24	45	48	30				30.6
	MIN	- 8	- 5	4	1	22	30	21	18	21	11	2	9	11	11	14	29	7	- 1	10	8	10	12	- 3	- 8	- 2	16	28	8				9.9
ARVILLA STATE PARK	MAX	8	10	21	21	19	8	33	32	28	24	- 2	15	13	13	18	28	24	18	4	16	16	21	4	-11	8	18	36	32				17.0
	MIN	-20	- 6	- 2	- 4	- 4	- 5	- 5	- 2	- 6	- 3	-18	- 8	3	- 8	- 6	-10	14	-10	- 8	3	- 7	- 2	-18	-25	-38	-23	11	8				- 7.2
ASHLEY	MAX	11	12	20	20	35	28	33	31	34	30	18	18	16	13	20	28	28	10	10	14	18	24	18	4	8	16	36	38				21.1
	MIN	-17	-11	0	-16	8	8	15	5	5	8	- 8	3	5	-14	- 8	- 5	8	-10	- 7	4	4	3	- 7	-16	- 8	-10	8	8				- 1.5
BALDRILL DAM	MAX	0	12	13	22		22	24	35	35	31	8	18	18	18	18	18	24	22	2	12	15	18	26	- 2	- 4	7	24	37				17.7
	MIN	-22	-12	0	-12		2	5	7	2	6	-13	- 4	8	- 6	- 6	- 8	- 4	- 5	-10	- 5	0	3	-12	-17	-20	- 8	2	8				- 4.4
BEACH	MAX	8	18	26	34	42	39	36	38	34	28	20	21	24	35	43	51	38	40	31	30	32	32	23	14	28	48	41	28				31.6
	MIN	-14	-10	2	- 5	15	22	22	15	23	2	6	12	4	18	14	26	4	1	8	12	12	18	- 1	- 5	- 1	18	28	13				9.2
BELCOURT INDIAN RES	MAX	0	6	24	15	20	13	23	26	27	25	1	12	15	18	26	24	30	6	0	13	10	20	- 1	- 8	8	18	43	25				15.8
	MIN	-27	-18	- 8	-12	- 1	- 8	5	- 8	-13	-10	-18	- 6	4	-18	-13	- 3	4	-15	-10	- 7	-18	- 5	-22	-21	-41	-10	4	0				-10.5
BELFIELD	MAX	9	21	29	29	42	42	41	37	38	24	22	23	21	26	42	48	35	31	24	26	32	30	18	10	22	47	43	31				30.1
	MIN	-12	- 9	- 9	-14	14	10	13	14	13	8	- 2	7	12	8	16	12	8	- 8	- 1	8	7	9	- 5	- 9	- 4	15	24	11				4.9
BISBEE	MAX	1	10	12	15	15	8	28	22	26	21	1	12	14	13	24	28	22	12	2	10	14	19	5	- 8	5	20	35	28				14.8
	MIN	-28	-17	-13	-10	1	- 7	3	- 2	- 3	- 2	-17	- 3	7	- 7	- 3	- 5	12	-13	- 9	- 3	- 8	3	-18	-22	-29	-14	8	6				- 6.8
BISMARCK WB CITY	MAX	8	18	25	22	27	27	36	38	37	18	8	15	19	12	24	32	27	24	12	14	20	27	27	11	10	23	41	37				22.8
	MIN	- 8	- 8	- 5	-15	- 2	11	14	5	18	-10	-11	8	10	-10	- 6	- 4	8	-11	- 8	- 5	3	6	- 2	- 8	- 4	8	13	7				- 0.3
BISMARCK WB AIRPORT	MAX	8	15	25	21	27	26	36	35	37	18	8	15	14	8	20	28	26	9	10	15	20	28	7	4	10	24	40	26				20.0
	MIN	-25	- 8	-11	-17	- 2	10	13	2	- 1	- 8	-11	6	- 7	-11	- 7	- 6	0	-11	-10	- 7	1	- 2	- 8	- 5	- 6	- 7	8	12				- 4.3
BOTTINEAU	MAX	3	11	11	16	21	12	24	27	24	14	10	17	13	13	18	23	26	11	1	10	11	21	4	- 8	1	19	32	24				14.6
	MIN	-27	-15	- 8	- 2	- 2	- 8	10	- 3	- 1	- 7	-18	-12	6	3	6	- 3	10	-17	-10	- 7	-10	3	-18	-16	-20	- 8	10	4				- 5.7
BOWBELLS R R STATION	MAX	0	5	14	24	23	23	15	32	33	30	14		13	20	25	24	42	13	18	15	12	28	19	0	- 1	30	30	32				18.7
	MIN	-18	- 7	- 3	- 8	4	-15	-14	- 6	9	0	-17		-14	5	7	8	12	-18	-12	- 1	- 3	8	-16	-12	-12	- 1	12	5				- 4.1
BOWMAN COURT BOUSE	MAX	5	16	23	24	38	38	35	41	36	28	26	18	20	33	38	48	48	34	35	21	25	23	22	3	20	34	34	33				28.6
	MIN	-12	- 6	- 1	- 2	18	23	16	16	21	11	5	11	12	15	16	23	11	3	15	15	11	9	- 1	-10	1	18	25	15				10.0
BUTTE	MAX	10	11	21	21	28	25	37	31	34	30	10	13	18	19	23	32	34	9	4	11	19	23	14	0	11	21	40	30				20.6
	MIN	-12	- 8	3	- 8	- 2	- 1	11	11	16	6	-15	0	4	- 1	6	6	8	-14	-12	2	- 5	9	-14	-12	- 5	- 1	5	8				- 0.5
CARRINGTON	MAX	- 2	12	12	21	17	22	19	32	32	36		12	17	9	19	34	24	13	11	18	17	22	- 5	- 6	7	24	35				17.3
	MIN	-22	-15	- 5	- 8	- 4	- 4	- 2	5	- 1	- 8	-16	-12	- 8	-12	-13	- 5	- 1	- 8	-14	-21	-10	- 3	-14	-17	-21	-12	- 1	8				- 8.8
CARSON 2 S W	MAX	7	14	28	18	35	33	35	37	35	25	15	13	20	20	25	37	30	15	10	17	20	26	18	8	10	23	37	30				22.9
	MIN	-14	- 9	3	0	13	0	13	13	8	8	- 3	7	4	- 6	1	7	5	-15	- 4	2	5	6	-10	-15	- 7	- 1	14	10				1.3
CAVALIER POWER PLANT	MAX	7	13	25	21	17	8	32	31	17	18	- 2	16	14	14	20	21	25	12	7	12	15	20	9	- 8	8	15	33	30				18.1
	MIN	-25	- 7	0	- 8	- 2	- 4	0	0	- 4	- 4	-17	- 9	0	- 8	- 2	- 5	12	-10	-10	- 1	- 9	4	-17	-28	-31	-13	2	4				- 6.9
CENTER	MAX	10	15	27	18	32	26	36	40	35	24	8	14	20	15	24	34	24	7	7	13	22	30	16	2	10	23	39	27				21.4
	MIN	-25	-10	0	-12	0	5	9	11	5	5	-12	5	2	-11	4	- 4	4	-15	-11	- 2	- 3	8	- 8	- 8	- 4	- 5	12	9				- 1.8
COOPERSTOWN	MAX	8	7	20	18	22	20	32	30	30	28	5	13	18	17	18	28	27	22	8	13	13	23	15	- 6	8	22	35	33				18.8
	MIN	-23	- 9	- 4	-13	1	- 5	3	- 1	1	3	-20	- 6	6	- 7	- 6	- 6	10	-13	-11	1	- 3	1	-18	-22	-31	-10	12	7				- 5.8
CROSBY	MAX	- 2	2	10	18	21	30	27	27	29	27	12	8	14	19	24	24	35	10	13	12	11	25	18	2	5	20	28	37				18.0
	MIN	-24	-10	- 5	-10	4	- 4	- 3	6	7	1	-11	-11	0	8	11	11	10	-16	-12	- 5	- 3	2	- 8	- 8	- 2	0		8				- 2.4
DEVILS LAKE W B CITY	MAX	7	9	19	17	17	12	29	28	31	15	4	11	16	13	18	29	25	0	4	11	15	21	- 6	- 5	5	20	34	18				14.6
	MIN	-17	- 8	2	- 7	- 1	- 8	10	4	0	-12	-20	- 1	0	-10	- 9	- 1	- 2	-13	- 8	2	- 5	- 9	-21	-21	-29	- 9	11	7				- 8.3
DICKINSON CAA	MAX	8	15	25	28	37	36	35	38	34	23	15	16	18	34	32	42	42	24	20	20	28	27	14	4	17	36	40	23				28.0
	MIN	-10	- 7	0	- 4	21	16	16	17	15	- 1	- 3	8	4	5	8	18	- 2	- 5	- 1	9	9	12	-10	-10	- 4	12	22	8				5.1
DICKINSON EXP STATION	MAX	7	7	16	25	26	37	35	36	37	34	19	15	14	20	32	33	44	31	25	23	21	28	28	12	3	21	37	38				25.2
	MIN	-20	-12	- 6	-15	2	13	10	9	12	6	- 3	0	8	2	- 5	- 4	13	-10	- 6	- 3	8	10	- 4	-12	- 3	- 2	18	11				0.6
DRAKE	MAX	- 1	7	13	21	22	23	18	36	35	44	14	11	12	16	17	17	32	26	13	8	10	21	23	3	- 2	10	32	38				18.5
	MIN	-20	-11	- 2	- 7	- 4	- 2	- 2	6	7	7	-16	-16	- 7	- 5	- 5	1	10	-19	-19	- 4	- 4	- 4	-16	-18	-12	- 5	9	6				- 5.4
DUNN CENTER	MAX	5	9	17	25	28	35	28	33	37	45	19	12	15	18	22	18	44	20	18	15	20	30	28	5	5	20	41	40				23.3
	MIN	-23	-14	0	-20	- 6	- 1	3	2	2	5	-12	0	4	5	- 8	- 2	13	-12	-10	- 5	3	8	- 5	-14	- 2	0	7	11				- 2.5
DUNSEITH ST SANITARIUM	MAX	- 2	8	22	20	26	16	25	25	28	24	15	16	15	17	25	27	25	15	3	13	14	20	13	0	5	18	41	32				18.0
	MIN	-23	-13	- 4	1	2	- 5	10	0	- 2	3	-15	0	6	- 6	0	0	12	-17	- 7	- 6	- 8	5	-18	-20	-27	- 8	8	6				- 4.5
ECKMAN	MAX	- 2	7	14	25	18	13	15	28	31	32	11	6	12	14	10	20	28	23	1	3	8	21	20	- 4	- 5	9	24	33				14.9
	MIN	-25	-23	- 3	-17	- 5	- 7	- 5	- 5	- 2	3	-19	-14	4	- 9	-10	- 8	1	-22	-14	-12	-12	-18	-20	-14	-10	8	5					- 8.5
EDGELEY EXP FARM	MAX	15	11	23	20	28	24	39	34	34	29	5	18	18	12	19	22	26	18	9	15	17	28	21	0	7	20	38	35				20.8
	MIN	- 9	- 5	1	-11	9	2	4	9	5	2	-10	2	2	-10	- 4	- 2	8	- 9	-12	4	4	6	- 9	-16	-16	- 8	8	10				- 1.6
EDMORE 1 W	MAX	0	5	13	14	17	13	28	25	25	25	2	10	15	20	20	25	25	13	0	12	13	19	4	-10	5	20	33	31				15.1
	MIN	-26	-15	- 4	-11	- 4	-11	2	- 7	- 7	- 4	-22	- 7	4	-10	- 9	-10	- 9	-16	- 8	- 8	-10	2	-19	-30	-30	-15	10	4				- 9.6
ELBOWOODS	MAX	9	20	27	20	30	32	36	37	38	26	10	15	22	20	25	32	33	12	11	13	30	26	14	5	14	30	40	32				23.5
	MIN	-31	-20	- 9	-24	- 8	- 8	11	-11	- 2	- 5	-21	- 3	-10	-14	- 1	- 4	- 7	-16	-11	- 4	- 1	4	-15	- 2	- 9	-11	9	3				- 7.9
ELLENDALE	MAX	8	16	27	21	32	27	39	38	37	31	12	20	18	14	22	24	28	17	10	18	17	28	20	4	11	22	37	37				22.7
	MIN	-17	-12	0	- 6	9	5	9	10	11	4	-10	1	9	- 6	- 2	- 1	10	- 7	- 8	8	6	1	- 6	-12	-11	- 3	8	13				0.0
EPPING	MAX	2	13	17	20	29	19	30	32	28	21	7	12	20	25	22	41	34	15	8	10	29	20	10	17	12	31	35	27				21.0
	MIN	-15	-12	- 1	- 7	- 4	5	14	9	13	1	- 4	6	10	3	8	13	- 2	-14	- 8	- 4	0	5	- 8	- 3	- 4	2	21	8				1.1
FARGO WB AIRPOST	MAX	7	10	22	21	21	10	34	26	32	19	1	23	18	21	18	26	25	5	12	20	11	21	1	- 8	0	21	34	21				18.9
	MIN	-20	- 7	- 1	-12	4	- 3	7	4	2	3	-18	- 4	- 1	0	-11	- 7	5	- 7	- 5	8	0	- 3	-20	-24	-30	-16	12	11				- 4.8
FESSENDEN	MAX	8	13	23	18	22	16	31	33	35	21	5	14	18	12	13	22	19	14	6	9	18	22	8	0	12	26	35	27				17.8
	MIN	-18	- 8	0	-11	8	- 4	8	8	10	5	-17	0	8	-12	- 7	0	- 4	-16	-11	- 2	- 5	- 8	-18	-18	- 6	- 7	0	1				- 4.4
FORMAN	MAX	12	13	18	28	30	17	40	34	33	29	13	22	18	21	22	35	31	24	12	21	16	28	13	- 3	4	28	39	35				22.7
	MIN	-14	-12	- 1	- 8	0	1	8	10	14	9	-11	- 1	7	1	- 4	- 1	17	- 7	- 8	8	2	6	- 8	-15	-19	- 5	5	13				- 0.5
FOST YATES	MAX	8	18	27	26	29	28	36	36	37	32	18	20	21	8	21	28	28	12	12	18	19	27	22	5	11	24	38	36				23.1
	MIN	-20	- 6	3	-18	2	9	18	4	- 1	12	-10	9	8	- 8	-15	0	10	- 8	- 6	2	9	3	4	-19	- 6	4	8	15				0.1
FOXHOLM WILDLIFE REF	MAX	0	14	25	22	17	12	35	33	34	29	10	10	12	19	30	38	37	10	6	13	28	38	10	- 1	12	26	38	32				21.1
	MIN	- 8	- 8	4	-13	- 5	- 3	4	10	3	6	-15	0	- 4	- 8	1	1	- 8	-17	-12	- 7	- 5	8	-15	-11	-12	- 6	10	8				- 3.5

See reference notes following Station Index.

Table 5-Continued

DAILY TEMPERATURES

NORTH DAKOTA
FEBRUARY 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FULLERTON	MAX	13	13	25	21	28	25	37	36	36	28	12	19	17	14	19	22	28	20	9	17	17	27	20	5	9	20	38	34				21.8
	MIN	-19	-17	0	- 9	10	3	9	10	10	10	-11	0	5	-11	- 3	- 2	11	- 7	-10	5	4	0	- 8	-15	-12	- 4	8	12				- 1.1
GACKLE	MAX	10	10	20	21	29	24	33	33	32	25	8	15	15	10	15	32	29			14	16	22	22	- 1	10		35	35				20.6
	MIN	-15	- 9	0	-10	11	1	10	10	12	- 5	-12	0	5	-15	-10	0	14				2	3	-10	-15	0	-14	10	1				- 1.4
GARRISON	MAX	7	17	22	17	29	23	35	36	36	16	8	14	15	15	23	34	24	8	6	14	23	25	1	4	11	25	39	20				19.5
	MIN	-15	- 9	- 6	-13	3	2	10	10	8	7	- 8	5	- 2	- 7	- 2	4	- 3	-15	- 9	1	- 1	- 4	- 8	- 5	- 4	- 3	13	9				- 1.5
GRAFTON STATE SCHOOL	MAX	3	10	20	17	19	11	32	31	18	22	1	14	18	18	22	21	26	18	5	18	11	21	8	- 8	7	15	33	32				16.3
	MIN	-23	- 8	- 2	-12	0	- 4	- 3	2	- 8	- 2	-16	- 8	2	- 5	- 1	- 8	12	-10	- 6	3	- 6	0	-15	-24	-34	-20	11	6				- 6.4
GRAND FORKS CAA	MAX	5	8	22	22	18	9	33	21	24	24	- 1	17	16	18	16	22	25	0	10	16	12	19	- 7	-10	3	20	31	20				14.8
	MIN	-23	- 8	- 5	-12	- 1	- 6	0	3	- 2	-12	-20	- 8	- 7	-11	- 9	- 9	0	- 9	- 8	0	- 8	- 7	-22	-30	-33	-19	12	7				- 8.8
GRAND FORKS UNIVERSITY	MAX	5	10	22	22	21	8	34	21	24	24	- 1	18	17	19	16	22	24	- 1	8	19	10	22	- 5	-11	0	20	30	19				14.9
	MIN	-21	- 6	- 6	- 9	0	- 5	- 2	4	- 2	-12	-19	- 6	- 5	-10	- 8	- 7	- 1	- 9	- 8	0	- 5	- 5	-16	-29	-23	-19	12	6				- 7.5
GRANVILLE	MAX	7	17	24	21	21	13	34	36	38	24	3	13	17	14	22	32	28	10	5	8	22	21	8	- 3	12	26	36	18				18.8
	MIN	-20	-10	0	-15	- 2	- 6	7	- 3	0	- 1	-20	- 1	3	-11	- 8	- 4	8	-20	-10	- 4	-10	1	-17	-17	-15	-10	8	8				- 6.0
GRENORA	MAX	3	8	13	24	28	22	26	23	28	15	10	20	20	27	23		35	20	10	16	26	22	15	12	15	34	35	35				20.9
	MIN	-15	-11	0	-10	6	- 2	15	10	12	0	- 7	7	10	9	6		- 4	-13	-12		0	8	5	- 5	0	- 5	18	6				1.1
HANKINSON 8 S STATION	MAX	10	12	15	26	26	25	24	34	36	38	32	9	18						13		24	13	29	- 4	- 7	2	28	42				20.2
	MIN	-15	-15	0	- 9	- 9	1	0	14	9	9	-12	-16	6						- 9		3	2	- 9	-15	-21	-21	- 5	10				- 4.6
HANNAH	MAX	1	4	21	15	16	13	28	26	24	19	3	9	14	13	19	27	23	5	0	9	12	15	7	- 3	4	19	31	24				14.2
	MIN	-25	-17	- 7	-11	- 3	-13	5	- 6	- 8	- 7	-23	- 9	0	-10	- 8	- 3	4	-19	-11	- 4	-12	0	-21	-32	-34	-14	11	4				- 9.8
HANSBORO	MAX	3	10	27	16	13	8	26	28	27	23	- 1	10	14	22	23	27	26	10	0	8	11	16	2	- 5	7	19	35	25				15.4
	MIN	-22	-15	- 4	-11	- 4	-12	4	- 5	- 8	- 7	-23	- 8	2	-13	- 6	0	7	-15	-12	- 3	-12	0	-23	-29	-31	-12	7	3				- 9.0
HILLSBORO	MAX	6	13	24	19	21	11	34	33	28	24	2	22	18	21	19	23	21	21	20	14	15	25	5	- 7	2	19	34	30				18.5
	MIN	-27	- 8	-11	-14	1	- 5	- 1	4	- 4	0	-18	-10	- 6	- 9	- 3	- 5	8	- 9	- 3	7	- 4	- 3	-18	-23	-30	-21	10	9				- 6.9
JAMESTOWN CAA	MAX	10	12	22	17	28	20	33	34	31	16	4	16	18	14	19	26	26	7	9	15	17	24	8	- 3	8	22	36	25				18.3
	MIN	-18	- 6	0	-11	6	- 3	7	7	8	- 8	-17	0	- 5	-12	- 9	- 5	7	-11	-10	6	0	0	-18	-12	-17	- 9	10	9				- 4.0
JAMESTOWN STATE HOSP	MAX	12	12	22	21	27	17	34	35	30	24	5	18	19	12	17	27	25	15	10	13	15	27	14	0	8	24	36	30				19.6
	MIN	-17	- 7	4	-12	7	- 1	7	8	11	4	-13	- 1	8	- 9	- 6	- 5	12	-10	- 6	4	2	2	-11	-15	-15	- 7	11	10				- 1.6
KENMARE	MAX	- 2	9	15	27	21	28	15	36	33	32	16	7	11	17	23	26	42	21	15	12	15	27	23	1	- 1	20	35	39				20.1
	MIN	-21	- 9	- 4	-10	- 4	- 2	- 1	6	12	3	-15	-15	- 4	- 5	6	8	20	-18	-17	- 5	- 5	0	-14	-14	-11	- 3	18	5				- 3.5
KENSAL WILDLIFE REFUGE	MAX	12	8	20	16	17	15	32	27	30	27	9	13	14	11	15	24	22	17	7	7	9	16	14	2	5	19	36	30				16.9
	MIN	-21	-11	0	-15	0	- 5	4	2	5	3	-18	- 4	7	-15	- 9	- 9	12	-15	-10	0	- 4	2	2	-16	-22	-24	-13	9	3				- 5.9
LA MOURE	MAX	9	15	25	23	26	25	38	39	37	30	11	20	20	15	18	25	27	19	19	16	20	26	20	1	10	24	36	36				22.5
	MIN	-21	-11	1	-13	4	0	8	6	11	6	-12	0	8	- 9	- 4	- 2	13	-10	-10	1	3	1	-10	-18	-18	- 8	7	18				- 2.1
LANGDON EXP FARM	MAX	- 4	5	13	11	20	14	28	23	28	16	3	10	13	20	15	24	25	10	- 1	15	12	22	8	- 5	4	17	30	26				14.4
	MIN	-26	-14	- 6	- 8	0	-11	4	- 3	- 6	- 2	-24	-10	- 2	- 7	-11	- 2	10	-18	-10	- 3	-12	4	-21	-34	-30	-12	10	3				- 8.6
LASIMORE	MAX	11	11	17	19	22	15	32	30	25	24	6	11	17	14	14	24	25	20	10	12	11	19	12	-10	5	19	32	29				17.0
	MIN	-16	- 9	0	- 1	5	- 4	- 2	2	3	1	-17	- 9	0	- 5	- 1	- 4	13	- 1	- 2	4	- 6	- 1	-17	-23	-32	-14	10	7				- 4.3
LEEDS	MAX	6	10	18	18	17	10	28	28	32	26	2	11	17	11	21	31	25	14	6	10	17	23	4	- 5	8	23	33	25				16.8
	MIN	-20	-12	0	-14	- 1	- 9	4	3	- 3	0	-21	- 4	- 7	-15	- 8	- 6	13	-18	-11	- 1	-11	3	-22	-25	-33	- 9	9	6				- 7.5
LINTON	MAX	10	16	25	22	27	28	35	32	35	25	13	17	21	11	19	25	28	10	11	17	18	27	20	3	10	21	39	36				21.5
	MIN	-24	-24	-15	-18	1	17	23	- 3	0	2	-10	8	5	-17	-16	- 4	8	-10	- 7	3	6	- 8	- 7	-14	- 2	- 7	11	12				4.2
LISBON	MAX	- 2	9	16	26	21	28	25	31	37	35	19	13	20	18	21	23	32	29	8	11	20	18	29	- 1	- 4	8	21	38				19.5
	MIN	-18	-15	- 5	-15	-14	1	0	4	3	6	-15	- 9	9	- 2	- 1	- 9	- 9	- 7	-11	- 3	3	- 1	- 9	-19	-20	-15	- 6	6				- 8.0
MADDOCK AGR SCHOOL	MAX	5	10	18	17	19	12	28	28	30	26	5	11	15	12	15	30	25	15	4	8	18	21	12	- 7	8	24	33	25				16.7
	MIN	-22	-10	- 4	-12	- 2	- 7	5	- 1	2	3	-20	- 3	- 5	-14	-10	- 8	12	-19	-12	- 2	- 8	3	-25	-25	-26	-12	7	5				- 7.4
MANDAN EXP STATION	MAX	7	9	18	24	20	28	27	35	36	36	13	8	14	19	9	21	30	25	6	10	13	20	26	0	3	10	21	39				18.8
	MIN	-17	-14	2	-15	-10	10	13	12	1	8	- 9	- 6	8	-10	- 7	0	6	-11	- 8	- 5	3	5	- 5	- 7	- 4	- 3	10	11				- 1.5
MANDAN FT LINCOLN PARK	MAX	12	20	29	24	31	31	37	38	39	31	11	18	26	11	24	31	28	13	13	16	21	19	19	5	12	21	41	36				23.5
	MIN	-20	- 7	- 2	-14	3	12	18	7	4	7	-10	6	9	-10	-12	- 1	8	-11	- 8	- 1	1	4	- 7	- 9	- 4	- 3	10	12				- 0.8
MARMARTH	MAX	8	10	18	32	36	40	37	38	36	28	21	25	26	28	43	51	42	42	35	31	33	32	21	20	27	40	42	42				31.6
	MIN	-22	-10	- 9	-14	5	10	15	5	3	11	9	15	18	18	8	30	13	3	15	15	18	15	2	- 5	4	22	20	15				8.2
MAX	MAX	0	5	15	22	19	29	23	37	35	34	16	9	12	18	12	21	30	23	6	5	12	14	24	- 1	4	11	22	39				17.7
	MIN	-31	-17	- 7	-11	1	2	2	5	9	5	- 7	- 9	- 4	- 5	- 2	5	7	-13	-14	1	- 4	0	-12	-11	- 6	- 5	0	14				- 3.8
MAYVILLE	MAX	4	10	26	17	21	16	32	32	28	26	- 1	15	14	19	20	25	25	19	8	17	15	17	10	- 6	4	16	36	33				17.8
	MIN	-18	- 5	0	-13	- 1	- 3	- 1	9	- 1	- 1	-17	- 7	3	- 7	- 7	- 9	11	- 8	- 6	6	- 4	0	-18	-25	-34	-11	9	10				- 5.3
MC CLUSKY	MAX	5	12	21	19	28	21	31	31	34	27	8	15	20	20	23	29	25	8	5	12	17	23	13	3	11	23	38	30				19.7
	MIN	-12	-12	0	- 8	- 4	0	15	7	14	3	-10	2	4	-10	- 4	2	8	-13	-10	- 1	- 2	4	-10	-11	- 5	- 5	13	3				- 1.5
MC HENRY 5 N	MAX	7	7	16	16	21	13	30	30	27	23	1	10	15	12	17	25	24	20	4	10	12	21	9	- 8	3	20	33	28				15.9
	MIN	-23	-11	- 2	- 5	2	- 7	4	2	3	0	-20	- 7	6	-13	- 7	- 4	12	-14	-12	0	- 5	4	-18	-20	-29	-11	9	4				- 5.8
MC LEOD 3 E	MAX	10	15	23	20	22	28	35	34	33	28	10	20	24	20	25	30	28	29	10	25	17	25	18	8	10	27	38	32				23.0
	MIN	-23	-15	- 2	-12	- 5	- 3	3	7	9	4	-18	- 3	- 2	- 3	-10	- 8	6	- 7	-13	6	0	- 2	-13	-21	-27	-11	11	12				- 5.0
MEDORA T R N M P	MAX	12	23	31	30	40	41	40	42	37	31	17	20	24	39	45	54	43	36	32	24	34	33	27	10	25	47	43	34				32.6
	MIN	-27	- 8	-14	-20	2	6	8	- 2	4	10	- 4	11	9	18	13	9	8	-12	5	3	12	0	- 1	- 5	0	15	23	15				2.8
MINOT CAA	MAX	4	13	23	21	19	14	33	33	32	13	2	11	15	16	21	35	29	8	3	11	23	20	- 4	- 2	11	26	39	17				17.4
	MIN	- 8	- 7	0	- 6	2	- 3	6	12	10	- 6	-16	1	- 2	- 5	5	8	- 4	-15	-11	- 1	- 1	-10	-13	-11	- 6	0	15	7				- 2.1
MINOT EXP FARM	MAX	3	10	19	20	22	13	33	31	33	25	8	11	16	15	23	32	32	6	4	10	21	20	8	- 1	10	24	40	29				18.5
	MIN	-11	-10	2	- 8	5	- 4	4	11	9	5	-17	- 1	0	- 6	2	2	3	-18	-12	0	- 6	6	-16	-11	- 7	- 2	16	5				- 2.1
MOHALL	MAX	5	12	24	18	16	15	35	32	30	25	11	11	14	12	19	35	26	7	0	8	23	23	7	- 4	7	25	30	25				17.5
	MIN	-17	- 9	3	-11	- 1	- 6	- 9	0	1	-18	-17	- 1	0	- 7	- 7	- 1	7	-20	- 4	- 4	- 8	6	-19	-13	-12	-10	7	6				- 5.6
MOTT	MAX	10	20	32	24	38	35	39	42	37	30	20	14	17	19	23	47	39	16	13	21	25	30	26	1	12	29	46	32				26.3
	MIN	-22	- 9	- 4	-16	7	14	11	7	9	9	- 3	7	6	- 8	- 2	2	10	- 9	0	3	9	2	- 8	-20	- 9	10	11	13				0.1
MUNICH 4 SW	MAX	- 1	3	11	14	12	8	26	20	22	18	0	9	12	14	20	23	22	8	- 2	8	10	16	1	- 9	4	18	33	26				12.4
	MIN	-28	-15	- 7	-13	- 3	-12	4	- 8	- 6	- 5	-22	- 8	3	-12	-10	- 6	8	-19	- 9	- 3	-11	1	-21	-28	-29	-16	10	4				- 9.3
NAPOLEON 1 SE	MAX	7	12	19	20	31	26	30	30	32	24	6	16	16	11	15	29	26	9	7	15	19	23	18	1	11	21	36	34				19.4
	MIN	-12	-10	0	-12	7	7	17	12	8	4	-10	3	2	-15	-14	- 4	7	-14	- 9	2	3	3	-11	-16	-10	-10	14	7				- 1.1
NEW ENGLAND	MAX	10	19	33	31	38	41	40	39	36	29	21	16	21	30	34	49	42	28	24	22	30	29	24	4	16	36	43	32				29.3
	MIN	-17	- 6	5	-10	12	19	11	11	14	7	0	9	10	8	5	11	8	- 5	7	8	11	7	- 1	-15	- 9	13	16	13				5.1

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

NORTH DAKOTA
FEBRUARY 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW SALEM 1 S	MAX	10	8	23	17	33	34	37	33	35	22	8	12	15	17	18	40	35	10	8	10	22	28	12	7	10	24	40	30				21.4
	MIN	-17	-12	2	- 6	13	12	10	13	11	2	-10	5	6	- 8	3	12	3	-13	-10	2	5	10	- 8	-10	- 3	- 3	12	10				1.1
OAKES	MAX	5	6	18	26	27	28	30	40	38	37	17	15	21	18	17	20	34	29	8	13	18	19	28	2	2	11	27	38				21.3
	MIN	-23	-22	-12	-12	-10	0	3	8	5	11	-11	-10	8	- 8	- 6	- 6	- 3	- 8	- 9	- 7	5	2	- 8	-13	-16	-14	8	8				- 4.9
PARK RIVER	MAX	11	8	17	16	18	9	31		20	23	5	11	9	18	23	23	24	18	3	15	11	21	8	- 4	9	19	33	31				15.8
	MIN	-13	- 7	4	- 5	- 1	- 4	- 1		0	2	-14	- 8	2	- 3	0	1	16	- 8	- 6	3	- 7	1	-15	-25	-27	-12	10	7				- 4.1
PARSHALL	MAX	8	16	22	18	24	24	34	34	34	25	10	12	17	15	26	35	28	8	9	15	26	28	19	4	12	27	41	28				21.4
	MIN	-24	-14	-14	-18	- 1	-14	12	- 3	5		-13	5	- 2	- 2	- 7	6	- 1	- 9	-11	- 3	- 5		-11	- 4	- 4	- 2	23	9				- 3.9
PEMBINA CAA	MAX	5	8	23	19	17	10	32	21	18	14	- 3	15	15	12	13	21	23	- 1	6	13	8	16	-10	-12	2	19	28	18				12.5
	MIN	-31	-18	- 9	-16	- 3	- 8	- 5	- 2	-10	-13	-22	-12	-10	-15	-13	-14	- 4	-13	-12	- 7	-17	-12	-23	-33	-40	-24	12	0				-13.4
PETERSBURG	MAX	4	9	21	14	21	11	28	26	28	16	8	7	14	15	18	26	23	15	6	10	13	18	14	6	8	18	33	25				16.3
	MIN	-20	-12	- 1	- 2	2	- 6	0	- 3	2	- 8	-26	- 8	1	- 3	0	- 2	6	-11	- 8	- 3	- 5	- 3	-20	-28	-28	-10	0	4				- 6.8
PETTIBONE	MAX	9	16	23	22	26	21	33	31	35	25	8	15	23	16	18	36	25	12	7	12	18	27	12	5	11	27	37	32				20.8
	MIN	-20	-14	- 3	-11	3	1	10	3	10	4	-11	2	9	-15	-12	- 4	9	-15	- 9	2	- 1	0	-12	-15	-13	- 9	9	7				- 3.4
PORTAL	MAX	- 3	11	11	16		20	17	26	30	30	11		12	17	27	26	39	12	13	9	9	27	18	- 2	0	12	31	31				17.3
	MIN	-22	-11	- 7	- 9		- 6	6	5	8	2	-14		-13	3	6	10	11	-19	-18	-10	- 4	3	-15	-15	-13	- 1	9	5				- 4.2
RICHARDTON ABBEY	MAX	7	15	27	20	39	39	37	36	34	26	11	16	19	19	22	42	42	14	20	25	26	30	22	1	14	27	42	30				25.1
	MIN	- 8	- 8	6	- 1	16	18	15	14	18	8	- 2	6	4	- 4	4	11	7	- 8	- 7	5	7	13	- 7	-11	- 4	3	18	11				4.4
RIVERDALE	MAX	4	9	17	21	15	22	22	35	34	35	14	9	13	14	13	25	33	24	7	7	12	23	25	0	4	10	23	38				18.1
	MIN	-22	-11	- 2	-10	- 2	1	4	11	12	6	-11	- 5	- 5	- 8	- 5	- 1	8	-12	-10	0	0	- 7	- 8	- 4	- 4	- 4	5	10				- 2.9
ROLLA	MAX	- 1	6	28	15	17	9	25	28	25	23	- 2	11	17	17	25	26	28	8	0	11	10	14	- 4	- 8	6	19	43	17				14.7
	MIN	-17	-14	- 3	- 8	- 1	- 7	3	2	0	- 6	-18	- 5	5	- 8	- 4	4	8	-14	-10	- 2	-16	- 5	-20	-21	-28	-17	11	5				- 6.7
RUGBY	MAX	7	12	22	18	20	14	28	28	33	29	10	13	16	13	18	29	27	14	5	7	15	20	13	- 5	7	22	33	23				17.6
	MIN	-21	-10	- 2	-12	0	- 6	6	- 1	0	8	-18	- 3	7	-11	- 8	- 2	14	-18	-11	- 2	-10	4	-18	-18	-22	- 8	10	6				- 5.3
SANISB	MAX	- 1	7	16	21	18	28	22	34	34	34	12	10	14	16	16	21	31	25	15	7	12	31	24	3	4	11	29	39				18.0
	MIN	-28	-23	- 7	-17	-12	0	2	- 2	0	8	-10	2	- 2	- 2	- 5	5	5	-18	- 9	- 9	- 4	- 4	- 7	- 9	- 4	0	11	10				- 4.7
SHARON	MAX	9	8	19	15	25	18	30	28	29	23	4	14	20	22	18	27	27	20	8	18	18	26	5	0		18	34	28				18.8
	MIN	-18	-10	- 4	0	5	- 3	- 1	0	8	- 2	-15	- 8	1	- 4	- 8	0	11	-12	- 8	1	- 4	3	-18	-24		-10	8	8				- 3.9
STANLEY	MAX	6	11	18	16	28	18	31	31	29	12	3	11	15	18	24	37	32	9	4	12	25	21	1	6	11	28	37	16				18.2
	MIN	-23	-13	-15	-18	- 1	- 8	5	3	3	-11	-18	- 3	- 4	- 5	3	3	-11	-19	-16	- 5	- 6	-10	-19	-13	-10	- 6	11	2				- 7.1
STEELE	MAX	7	13	21	24	30	25	31	30	34	25	6	14	15	13	18	31	23	8	7	14	18	24	16	3	12	26	38	33				20.0
	MIN	- 8	- 6	- 4	-15	3	4	12	3	2	3	-15	0	1	-18	-15	- 1	8	-16	-13	- 2	- 2	- 2	-12	-18	-10	-12	8	7				- 4.3
TOWNER	MAX	8	12	22	18	18	14	25	26	33	37	4	12	17	11	15	30	33	10	9	4	19	28	15	- 2	15	16	35	27				18.2
	MIN	-22	-11	- 4	- 8	- 8	- 6	- 8	8	13	- 1	-20	- 2	8	-14	-10	-11	7	-22	-17	-11	-11	10	-20	-20	-17	- 4	4	11				- 6.8
TURTLE LAKE	MAX	8	12			23	23	35	32	34	34	8	15	16	15	23	28	24	5			18	24	20	4	14	23	38	27				20.9
	MIN	-17	-10			-11	- 1	15	1	10	2	-10	4	1	- 8	- 4	- 1	-17	-11			- 4	5	-10	-10	-10	- 2	10	3				- 3.1
UNDERWOOD 12 W	MAX	10	15	22	18	25	24	40	36	37	26	15	13	11	12	23	39	24	10	13	14	27	27	20	15	17	27	41	33				22.6
	MIN	-26	-10	- 1	-22	- 4	- 2	9	5	1	7	2	6	2	-10	-10	- 1	6	-18	-10	- 2	- 1	4	- 7	- 4	- 4	- 6	10	10				- 2.7
UPSAM WILDLIFE REFUGE	MAX	9	15	24	19	18	15		30	30	28	7	14	22	18	17	30	30	11	6	15	20	25	7	3	12	25	35	27				19.0
	MIN	-25	- 9	- 4	-16		- 8			- 3	4	-17	- 1	0	-13	-10	- 7	8	-22	-13	- 7	-15	3	-21	-20	-21	-15	8	5				- 8.8
VALLEY CITY	MAX	12	13	22	21	26	21	35	35	31	29	8	19	18	18	19	27	29	29	12	15	18	26	22	- 4	2	24	37	35				21.4
	MIN	-15	-11	0	-12	7	2	5	7	9	6	-13	- 4	8	- 8	- 6	- 7	12	-10	- 5	5	0	3	-12	-17	-20	- 8	11	8				- 2.2
VAN HOOK	MAX	7	16	22	18	23	21	35	35	35	26	9	14	17	20	25	35	28	10	9	16	28	25	15	5	14	29	40	30				21.7
	MIN	-24	- 9	3	-16	- 2	- 1	10	8	8	5	- 9	6	0	0	- 5	1	2	-15	-10	- 1	- 4	7	-10	- 4	- 1	- 1	13	10				- 1.5
VELVA	MAX	8	16	24	22	20	15	35	36	37	25	5	13	17	17	23	36	30	8	4	10	22	22	9	0	12	26	40	28				20.0
	MIN	-19	- 7	7	-16	- 1	- 4	7	- 2	4	4	-16	1	3	-10	3	- 3	7	-16	-10	1	- 9	8	-14	-10	- 5	- 3	16	6				- 2.8
WAHPETON STATE SCHOOL	MAX	11	15	24	20	23	18	34	34	35	30	13	22	20	24	19	32	31	24	16	22	16	27	21	- 6	3	36	38	35				22.8
	MIN	-21	-10	- 6	-11	7	- 2	4	8	8	8	-17	- 1	2	1	- 9	- 6	16	- 7	-11	8	0	0	-13	-22	-27	-15	12	13				- 3.3
WASHBURN	MAX	10	17	28	20	27	27	37	37	37	28	11	15	18	13	23	32	27	7	8	15	22	27	23	5	13	23	41	31				22.1
	MIN	-13	- 8	- 1	-10	3	5	18	9	12	7	- 7	5	8	- 8	- 3	6	5	-13	- 9	- 1	0	5	- 6	- 5	- 2	- 3	14	10				0.6
WATFORD CITY	MAX	8	18	22	27	38	27	33	35	33	21	15	18	24	31	28	46	37	26	19	16	33	26	17	6	19	40	38	27				28.0
	MIN	-18	-10	1	-13	8	3	12	14	12	0	- 4	8	8	5	0	5	0	-12	- 8	2	4	11	- 6	- 5	0	8	18	9				2.0
WESTHOPE	MAX	5	14	24	17	17	13	27	26	29	16	5	14	15	13	16	25	26	10	1	10	15	18	- 3	- 5	5	22	32	17				15.2
	MIN	-23	-10	- 9	-12	- 5	- 8	2	- 3	- 2	- 7	-18	1	0	- 5	-11	0	7	-26	-12	- 7	-10	- 9	-22	-17	-15	- 8	10	3				- 7.7
WILLISTON WB CITY	MAX	4	18	19	28	30	28	34	33	31	14	13	15	21	30	25	44	30	22	11	12	31	23	1	5	17	39	38	21				22.8
	MIN	-12	- 3	- 5	-11	4	0	14	11	13	0	1	9	13	12	7	9	- 2	- 6	- 4	4	3	1	- 4	- 2	4	11	20	10				3.5
WILLOW CITY	MAX	5	12	17	17	15	8	28	30	30	23	10	12	11	12	18	29	28	9	3	10	17	22	0	- 9	5	23	33	23				15.8
	MIN	-30	-10	- 5	-17	- 5	- 9	6	- 6	- 5	0	-19	- 1	- 2	-15	- 9	- 8	8	-21	-15	- 7	-16	- 4	-20	-21	-30	-27	7	5				- 9 9
WILTON RR STATION	MAX	4	7	13	22	18	31	24	34	32	35	13		13	16	14	18	28	24	3	10	10	15	23	- 1	1		19	38				17.8
	MIN	-21	-17	- 3	- 8	0	4	9	12	12	6	- 8		- 7	- 6	- 6	0	- 1	-14	-11	- 9	- 1	- 1	- 9	-10	- 9		- 8	8				- 3.7
WISHEK	MAX	1	13	14	22		35	30	34	32	33	8		11	21	10	14	31	28		15	15	20	24	0	3	15	20	36				18.4
	MIN	-20	-20	- 4	-17		12	13	5	6	- 5	-12		- 8	-21	-11	- 9	4	-12		-11	4	2	- 7	-14	- 9	-10	8	12				- 5.0

See reference notes following Station Index.

Table 7

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
FEBRUARY 1950

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Almont 7 SW	SNOWFALL												2.5	0.5				0.9						1.5		1.0	1.2					
	SN ON GND																															
Amenia	SNOWFALL																		2.0		T		T						T			
	SN ON GND	22	22	22	21	20	19	17	15	15	15	15	15	15	14	14	13	13	15	15	15	14	14	14	14	13	13	12	12			
Ashley	SNOWFALL												2.5	T				1.0						T	1.0	0.5						
	SN ON GND	23	23	23	23	23	23	23	23	23	23	23	25	25	25	25	25	26	26	26	26	26	26	26	27	28	28	26	26			
Beach	SNOWFALL												T					T				0.9		1.2	0.5	6.0						
	SN ON GND	2	2	2	2	1	1	1	T	T	T	T	T	T	T	T	T	T	T	T	T	1	T	1	2	7	3	2	2			
Bismarck WB Airport	SNOWFALL											T	4.9	0.3		T		1.7	T	T			T	0.2	1.6	0.3	T		T			
	SN ON GND	14	13	12	12	12	12	10	10	10	10	10	14	15	14	14	14	16	16	16	16	16	15	15	16	16	16	11	11			
Carson 2 SW	SNOWFALL												2.0	1.0				1.0				1.0		2.0	2.0							
	SN ON GND	22	22	22	22	22	22	21	21	20	20	20	22	23	23	23	22	23	23	23	23	24	24	26	28	28	28	26	26			
Center	SNOWFALL												*	2.0				1.0						0.8	0.8	T	T					
	SN ON GND	16	16	16	16	15	15	15	14	13	13	13	15	15	15	15	15	16	16	16	16	16	16	16	17	17	17	14	14			
Crosby	SNOWFALL										T		1.0	1.5				2.0	0.5						T	T			0.5			
	SN ON GND	13	13	13	13	13	13	12	12	12	11	11	12	14	14	13	13	15	15	15	15	15	15	15	15	15	15	15	15			
Devils Lake WB City	SNOWFALL	T	T					T	T	T	0.2	T	T	T	T		T	0.5		T	T	T	0.7	T	0.2		T	T	T			
	SN ON GND	22	21	21	21	20	20	19	19	19	19	19	19	18	18	18	18	18	18	18	18	18	19	19	19	19	19	17	17			
Dickinson CAA AP	SNOWFALL											0.3	0.8	0.1	T			0.6		0.2	T	T		1.4	1.9	0.3	T		T			
	SN ON GND	8	8	8	8	8	7	6	6	5	5	5	6	6	6	5	4	5	5	5	5	5	5	6	8	9	9	7	7			
Dunn Center	SNOWFALL												2.0	T				1.5	T		T			1.0	T	0.4						
	SN ON GND	14	14	14	14	14	12	12	12	11	10	10	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	10			
Edgeley Exp. Farm	SNOWFALL												1.6		1.7			0.5			T		T						T			
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	37	-	17	-	-	37	-	-	-	-	-	-	-	-	-	-	-			
Ellendale	SNOWFALL												1.5	T				T			T											
	SN ON GND	19	19	19	19	19	18	17	16	14	14	14	16	16	16	15	15	15	15	15	15	15	15	15	15	14	14	13	13			
Fargo WB Airport	SNOWFALL	T									T				T	T		0.5	1.0		T		0.4	T	T	T	T		0.6			
	SN ON GND	18	18	18	17	17	17	12	12	12	12	12	12	12	12	12	12	12	14	14	13	13	13	13	13	13	13	12	12			
Fessenden	SNOWFALL												-																			
	SN ON GND	22	-	-	-	-	-	-	17	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	14			
Forman	SNOWFALL										T		T		T			T	0.5		T								T			
	SN ON GND	16	16	14	10	10	10	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	5	2			
Fort Yates	SNOWFALL												4.0	1.0				0.3				2.0		1.0	1.0	2.0						
	SN ON GND	18	18	18	18	18	18	18	17	17	17	17	21	22	22	22	22	22	22	22	22	24	24	25	26	28	28	26	26			
Grafton State School	SNOWFALL							T			T				T		T	T	1.0				T						T			
	SN ON GND	22	22	22	22	22	22	22	21	21	21	20	20	19	19	19	19	19	20	20	20	20	20	20	20	20	20	19	19			
Grand Forks CAA AP	SNOWFALL										0.1				T			0.4	0.1	T	0.1		0.3	T					0.2			
	SN ON GND	21	16	16	16	15	15	15	14	14	14	14	14	14	14	14	13	13	13	13	13	13	13	13	13	13	13	10	10			
Jamestown CAA AP	SNOWFALL										0.1		0.1	T	0.1			1.5	0.3		0.3		0.4	0.1			T	T	T			
	SN ON GND	35	35	33	33	32	32	31	27	25	25	24	24	23	23	22	21	21	22	22	22	21	21	22	22	22	22	18	18			
Langdon Exp. Farm	SNOWFALL									T								2.5	0.4										1.0			
	SN ON GND	28	28	28	-	-	-	-	-	-	28		-	-	-	-	-	-	31	31	31	31	31	31	31	-	-	-	-			
Linton	SNOWFALL												2.0	1.0				0.5						0.5	0.5	0.3						
	SN ON GND	13	13	13	13	13	13	13	13	13	13	13	15	16	16	16	16	17	17	17	17	17	17	17	18	18	18	18	18			
Marmarth	SNOWFALL										T	T			T			0.1			*	6.0		0.2	3.0							
	SN ON GND																	-	-	-	-	8	-	6	9	9	-	-	5			
Mayville	SNOWFALL							1.0			T				T			T	0.8	T	T		0.7						0.7			
	SN ON GND	20	19	19	18	18	18	17	17	16	16	16	16	15	15	15	15	15	16	16	16	16	16	16	16	16	16	15	15			
McClusky	SNOWFALL												2.5					1.0	T													
	SN ON GND																															
McHenry 5 N	SNOWFALL																															
	SN ON GND	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25			
Medora TRNMP	SNOWFALL											T	0.7	T				1.2				T		1.2	1.9	0.6						
	SN ON GND	5	5	5	5	4	4	4	4	4	4	4	5	5	4	3	2	3	2	2	2	2	2	3	4	5	4	4	3			
Minot CAA AP	SNOWFALL							T			T	T	2.8	0.3	T	T		1.8					T		T	T	0.1		T			
	SN ON GND	17	16	15	15	14	14	13	13	12	12	12	14	15	15	14	13	15	15	15	15	14	14	13	13	12	12	9	8			
Mohall	SNOWFALL										0.3		1.3	1.2				2.5														
	SN ON GND	13	13	13	13	13	13	13	13	13	13	-	15	16	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-			
Mott	SNOWFALL												2.0					2.5				2.5		0.8	2.0							
	SN ON GND	12	12	12	12	11	10	9	8	7	7	7	9	9	9	9	9	11	11	11	11	14	13	14	16	16	16	14	13			
Napoleon 1 SE	SNOWFALL												2.5	1.5				2.0	T					T	0.1	T			T			
	SN ON GND	28	28	28	28	28	28	27	27	27	27	27	29	31	31	31	31	33	33	33	33	33	33	32	31	31	29	26	25			
Parshall	SNOWFALL												1.5					2.5											T			
	SN ON GND	19	19	19	19	19	19	18	18	17	17	17	19	19	19	19	18	21	21	21	21	21	20	20	20	20	20	18	17			
Pembina CAA AP	SNOWFALL	T	T					T	r	0.1	0.2				0.2			2.0	0.3	T	0.2		0.4	T					0.3			
	SN ON GND	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	18	18	18	18	19	19	19	19	19	19	19			
Petersburg	SNOWFALL																				T								1.5			
	SN ON GND	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	23	24			
Pettibone	SNOWFALL										T		2.0	0.3				1.1			0.2								T			
	SN ON GND	-	-	27	27	27	27	27	27	27	27	27	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	27	27			
Richardson Abbey	SNOWFALL											T	2.0	0.2	T			1.0			T	T		1.0	0.3	1.1			T			
	SN ON GND	11	11	11	11	10	9	8	7	7	7	7	9	9	9	9	8	9	9	9	9	9	9	10	10	11	11	9	9			
Rolla	SNOWFALL									T	0.2							2.0			T		T		T		T		T			
	SN ON GND	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	20	20	20	20	20	20	20	20	20	20	20	20			
Rugby	SNOWFALL									T	T	3.0	1.0					1.5											T			
	SN ON GND																															
Sharon	SNOWFALL																	0.3	1.0													
	SN ON GND	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28			

See reference notes following Station Index.

Table 7-Continued

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
FEBRUARY 1950

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Stanley	SNOWFALL												3.0					2.5											T			
	SN ON GND	13	13	13	13	13	13	13	13	13	13	13	16	14	14	14	12	14	14	14	14	14	14	14	14	14	14	10	10			
Steele	SNOWFALL	T											5.0	1.0				0.5			T				T	T		T			
	SN ON GND	29	29	29	29	28	28	28	28	28	28	28	33	34	34	34	34	35	35	35	35	28	28	28	28	24	24	20	20			
Upham Wildlife Refuge	SNOWFALL									T	T		3.4	1.5				2.0					0.5		T						
	SN ON GND	17	17	17	16	16	16	16	16	16	16	16	17	18	18	18	18	20	20	20	20	20	20	20	20	20	20	20	20			
Velva	SNOWFALL										T		1.5	1.0				1.0					T				T				
	SN ON GND	23	22	20	19	13	17	15	14	13	13	13	15	16	16	15	15	16	16	16	16	15	15	15	15	15	15	13	13			
Wahpeton State School	SNOWFALL							T			T				T				1.0				0.4						T			
	SN ON GND	18	18	18	18	17	17	16	15	13	13	13	13	13	13	13	12	12	13	13	13	13	12	12	12	12	10	9	8			
Watford City	SNOWFALL												2.0					T						1.8					0.4			
	SN ON GND	14	14	14	-	-	-	-	-	-	11	-	12	-	-	-	-	12	12	-	-	-	-	-	10	-	-	-	-			
Williston WB City	SNOWFALL	T		T	T			T				1.2	1.4	T	T	T		2.8	T			T	T	0.6	0.3	T	T	T	0.1			
	SN ON GND	14	14	14	14	14	14	13	13	11	11	11	13	13	13	12	10	13	12	12	12	11	11	11	11	11	9	8	8			

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the postoffice.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830.

- \- No record in Tables 3, 4, 6, 7 and the Station Index. No record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
- \+ And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
- B Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- T Trace, an amount too small to measure.
- V Included total for previous month.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.
- SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual; $1.50 per year. (Yearly subscription includes the Annual Summary.) Checks, postal notes and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Weather Records Processing Center, 811 Fidelity Building, Kansas City 6, Missouri.

W.B.O., Kansas City, Mo. -- 4-19-50 -- 1100

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0086	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALMONT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	BOGAN RAMSLAND	2 3 5 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 48			7P	H A BURY	3
ANENIA	0196	CASS	11	47 00	97 13	980	SS	SS	VIRGIL L GEBEKE	2 3 5 7
AMIDON	0209	SLOPE	1	46 30	103 19	2910	SP	SP	TOFIELD ZUNDEL	2 3 4 5
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 56	97 30	960	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	99 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 7
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR	0492	MC HENRY	12	47 57	100 32	1615		M10	RAYMOND E MELLER	3 4
BEACR	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F HODGIN	2 3 4 5 7
BELCOURT INDIAN RES	0626	BOLETTE	9	48 50	99 45	1980	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0689	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	6	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1600	6P	6P	ROBERT J KRICK	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1870	10A	10A	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1650	M10	M10	U S WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	CLOSED
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O H HOOK	2 3 4 5
BREIEN	1052	WORTON	1	46 24	100 57	1720		M10	FRANK E POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1573	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1365	GRANT	4	46 25	101 34	2300		M10	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5 7
COLGATE	1686	STEELE	10	47 14	97 39	1180		6P	O W JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	R J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G B HANAWALT	3
CROSBY	1871	OIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICROLS	2 3 5 7
DANSON	2018	KIDDER	8	46 52	99 45	1730		M10	LOUIS J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	M10	M10	U S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	M10	M10	D S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOONAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMMARS	2 3 5 7
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N O AGRI EXP STA	2 3 4 5 7
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELDRIDGE	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	H W CASE	2 3 5
ELLENDALE	2605	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GRESS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T HEACHLER	2 3 5
ESMOND	2767	HENSON	11	48 02	99 46	1650		M10	CLARENCE L JENSEN	3 4
FAIREIELD 9 N	2809	HILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	M10	M10	U S WEATHER BUREAU	2 3 4 5 7
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1930		8A	GEORGE M SINCLAIR	3
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5 7
FORT YATES	3207	SIOUX	8	46 06	100 38	1640	SS	SS	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 07	101 53	1609	5P	5P	U S WILDLIFE REF	2 3 5 7
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P	OAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	7A	7A	GEORGE J MASHOWALD	2 3 5
GLEN ULLIN	3496	MORTON	4	46 48	101 49	2090		M10	LOUIS N GAUER	3 4
GOLVA 1 SE	3556	GOLDEN VALLEY	7	46 44	103 57	2780		M10	ISADORE MARQULIES	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	10	47 56	97 05	834	M10	M10	U S CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	M10	7P	UNIVERSITY OF N O	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		M10	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	3P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN KISSE	3
HANKINSON RR STATION	3906	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		M10	BOMER A HENSON	3 4
HANNAH	3936	CAVALIER	9	48 59	98 41	1570	8P	6P	D S CUSTOMS OFFICE	2 3 5
HANSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W E DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	B J REYNOLDS	3
HAYNES 8 NE	4073	ADAMS	1	46 01	102 24	2640		M10	BYRON H BOBB	3 4
HAZELTON RR STATION	4083	EMMONS	8	46 29	100 17	1978		M10	EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAMS	3	46 00	102 38	2675	8P	6P	EDWARD H BJORUM	2 3 4 5 7
BILLSBORO	4203	TRAILL	10	47 24	97 04	901	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		M10	MRS H RUTH BUCHWITZ	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	46 55	98 41	1497	M10	M10	O S CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	M10	M10	THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4658	STUTSMAN	5	47 15	98 52	1440	7P	7P	O S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAU	12	48 38	100 37			M10	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDBER REMICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5 7
LARIMORE	5013	GRAND FORKS	10	47 54	97 36	1134	7P	7P	ELEW PETERSON	2 3 5
LEEDS	5078	BENSON	2	48 17	88 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	EP	8P	WM HEYERMAN	2 3 5 7
LISBON	5220	RANSOM	11	46 28	97 41	1091	7A	7A	ROBERT M JOOSAAS	2 3 5 7
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	6P	6P	HENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	6A	6A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	6	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5518	DUNN	6	47 14	102 46			6P	MISS JEANETTE OAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	6P	P GRAME	2 3 5 7
MARTIN	5810	SHERIDAN	11	47 50	100 07	1610		6P	JOHN W MAGNUSON	3
MAX	5638	MC LEAN	N	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	56B0	TRAILL	10	47 30	97 19	975	6P	6P	B A RAGAZ	2 3 5 7
MC CLOSKEY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A HAMILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	6	46 36	102 56			M10	HARTVIN H HERMANSON	3 4
MC HENRY 5 W	5730	EDDY	11	47 38	98 55	1509	6P	8P	C E BLASKY	R 3 5 7
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	B B ENIZFEL	3
MEDINA 1 W	5798	STUTSMAN	N	48 53	89 18			6P	BUDOLPH GRAF	3

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	CLOSED
MEDORA TRNMP	5813	BILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	98 02	1625		W1D	EDGAR S STEGMEIER	8 4
MINOT CAA AP	5988	WARD	12	48 15	101 17	1724	W1D	M10	U S CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720	8P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1639	9P	9P	IVER JOHNSON	2 3 5 7
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	ROLF HANSON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420	SS	SS	FOREST E COFING	2 3 4 5 7
MUNICH 4 SW	6195	CAVALIER	2	48 38	SE 53	1588	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 1 SE	6255	LOGAN	8	46 29	89 45	1955	7P	7P	GLADYE J PETERSON	2 3 4 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S HATCH	2 3 5
NEW ROCKFORD	6350	EDDY	5	47 41	99 08	1555		SS	VALENTINE A RIEDER	3
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	89 15	1550	6P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 23	2163	8P	8P	WM F GAEBE	2 3 5
OAKES	8620	DICKEY	5	46 08	98 05	1320	8A	8A	C W HAGEN	2 3 4 5
OWENEF 3 SE	6703	BOTTINEAU	12	48 39	100 26			M10	ARTHUR B VOLLMER	CLOSED
PARE RIVER	6857	WALSH	10	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 5 7
PEMBINA CAA AP	6947	PEMBINA	10	48 57	97 15	782	W1D	M10	U S CIVIL AERO ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5 7
PETTIBONE	7047	KIDDER	8	47 07	99 31	1860	7P	7P	L H DETHLOFF	2 3 5 7
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5 7
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			W1D	ALVIN LANSON	3 4
REEDER 14 N	7452	SLOPE	1	46 19	102 57	2860		8A	CHAS W METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	5P	5P	ASSUMPTION ABBEY	2 3 4 5 7
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6 7
ROLETTE	7655	ROLETTE	12	48 40	89 50	162S	W1D	W1D	GEORGE F GEBRES	3 4
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO H FAGERLUND	2 3 5 7
RUGBY	7704	PIERCE	12	48 22	100 00	1560	6P	6P	FRANK BORNSTEIN	2 3 5 7
RYDER	7749	WARD	8	47 55	101 40	2108		9A	S C SCHELLENBAUM	3
SANISB	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	R J BUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	98 00	1585		W1D	CLARENCE J OLSON	3 4
SEARING	7944	MC KINZIE	13	47 34	103 48			W1D	GLENN S MC RAE	3 4
SELFRIDGE 11 W	7952	SIOUX	8	46 01	101 10	2183		7P	L E WILSON	3
SHARON	7986	STEELE	10	47 36	97 54	1516	8P	8P	BUGE LYON	2 3 5 7
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647		6P	U S CUSTOMS SERV	3
SHEYENNE	8057	EDDY	11	47 50	99 07	1500		W1D	ALVIN E SOOERBOLM	3 4
STANLEY	8276	MOUNTRAIL	8	4B 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5 7
STEELE	8386	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2278		8P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST B KIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	EP	A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIOOER	8	47 02	100 04	1936		8P	ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPSAW WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1228	6P	8P	MISS I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 51	102 21	1864	9P	9P	ERWIN A VENTSCB	2 3 5
VELVA	8980	MC HENRY	12	48 04	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5 7
VENONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962		M10	VICTOR BURTON	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCB DF SCIENCE	2 3 5 7
WALRALLA	9155	PEMBINA	9	48 56	97 54	950		7P	JAMES R TOUMANE	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	20M4	NP	8P	J C ZELLEN	2 3 5 7
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	150B	6P	6P	REV N CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JONATHAN WIMEJEN	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 33	1877	W1D	W1D	U S WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	9445	BOTTINEAU	12	48 3N	100 17	1471	8P	8P	O M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 08	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISHEK	9515	MC INTOSH	8	46 16	99 34	2010	8A	8A	B M LARSON	2 3 5

NEW STATIONS

FRYSBURG	3277	BILLINGS	4	46 53	103 18	2780		7A	HERMAN J MAY	3
TROTTERS	8812	GOLDEN VALLEY	13	47 20	103 54	2420		W1D	EUGENE A KOSSELL	3 4

‡ DRAINAGE CODE: 1. Cannonball 2. Devils Lake 3. Grand 4 Heart 5 James 6 Knife 7 Little Missouri 8 Missouri 8 Pembina 10 Red 11 Sheyenne 12 Sourie 13 Yellowstone

Reference Notes for this issue may be found on Page 31.

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Nat. Hist.

JUN 1 1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

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MARCH 1950
Volume LIX No. 3

KANSAS CITY: 1950

NORTH DAKOTA - MARCH, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

March 1950 is the 4th consecutive month with the temperature below normal. December 1935-March 1936 is the only period with the average temperature so low. Very little melting occurred during the winter and the accumulated snow was piled in huge drifts in exposed places. The precipitation was above normal for the winter with unusually heavy amounts in January and March.

Several blizzards occurred during the month. A storm started on the 6th with rain and freezing rain. The accumulation of ice on communication and power lines resulted in over 10,000 telephone, telegraph and power line poles knocked down. More than a week was required to restore service to the last of the isolated towns. Heaviest damage was in the southeast section of the state but major damage occurred in nearly all sections except the extreme northwest corner. It was the worst sleet storm that ever hit the state. Damage was over $1,000,000.

A storm began on the 25th with light snow and moderate easterly winds. The storm gradually increased with the northeastward movement of an extensive low pressure area to the southwest. By the 26th moderate to heavy snow was falling over the south half of the state, except for rain in the southeast portion. Accumulations up to 20 inches of snow fell in south-central and southwest portions of the state and this was one of the worst blizzards to hit these areas. Transportation was entirely tied up and numerous cars were stalled along the highway. Fargo reported its heaviest amount of rainfall ever recorded in March. The fortunate aspect of this storm was the moderate temperature. Two deaths were reported as a result of this storm.

The mean temperature for the state was 19.2° or 4.6° below the average. Coldest periods were the 1st-2nd and from the 8th to the 19th. The mean temperature for the eastern division was 19.6°; for the middle division 18.6°; and for the western division 19.4°. The highest temperature for the state was 59° at Drake on the 5th and the lowest was -31° at Belcourt and Pembina on the 2nd.

Precipitation for the state averaged 1.38 inches or 0.59 inch above the March normal. Most of the precipitation occurred between the 20th and 27th. The average precipitation for the eastern division was 1.46 inches, for the middle division 1.33 inches, and for the western division 1.35 inches. The greatest amount for any station was 3.64 at New England. The greatest amount for 24 hours was 1.68 inches at New England on the 23rd. The average snowfall for the state was 12.9 inches, more than twice the normal amount.

Much yard feeding of livestock was necessary due to the heavy snow cover and several hundred head of cattle died, mostly in the southwest part of the state, during and after the snowstorm near the close of the month. Cattle and sheep remained in fairly good condition except in local storm areas where feed shortages caused considerable shrink. Death losses on early calves was above average in the worst storm areas. Most of the streams were frozen and caused no trouble throughout the month, but the Red River was beginning to flood in the Fargo-Wahpeton area at the end of the month.--FJB

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin Series, data from Hydroclimatic Network Stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal Agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismarck WB Airport	NNW	12	12.8	56	N	7	82	81	70	76	11	5	3	1	1	0	21	56	7.2	1353
Devils Lake WB City	-	-	10.8	45	NE	26	-	-	-	-	15	6	3	0	0	0	24	57	7.2	1469
Fargo WB Airport	NNW	20	14.4	45	N	7	81	82	75	77	8	7	4	0	1	0	20	55	7.4	1365
Williston WB City	-	-	7.8	30	N	6	-	-	-	-	11	2	5	0	0	0	.18	69	7.8	1400

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	24.2	88	-35	0.83	1.9	4
1893	13.9	88	-35	0.95	10.0	5
1894	24.8	69	-22	1.45	10.1	5
1895	23.2	75	-35	0.17	1.0	2
1896	15.7	70	-35	1.13	8.0	8
1897	11.9	58	-48	1.38	8.0	7
1898	21.3	79	-24	0.79	8.7	5
1899	7.5	72	-30	0.96	10.0	5
1900	20.3	77	-24	1.01	8.5	5
1901	25.3	85	-32	0.88	5.2	5
1902	27.4	85	-25	2.73	11.7	8
1903	22.1	80	-24	0.55	5.1	3
1904	18.2	64	-26	1.41	11.5	5
1905	32.5	81	-25	0.75	2.3	4
1906	18.5	87	-34	0.38	3.1	3
1907	23.1	83	-20	0.72	5.1	4
1908	21.1	68	-31	1.21	12.1	8
1909	24.0	81	-24	0.33	2.7	4
1910	41.3	90	- 7	0.94	0.3	3
1911	30.8	78	-18	0.23	1.6	2
1912	15.4	65	-28	0.37	3.6	3
1913	17.2	70	-31	0.85	8.2	8
1914	25.5	76	-20	0.88	9.2	5
1915	22.9	63	-23	0.22	2.0	2
1916	20.3	89	-45	1.42	13.5	6
1917	22.2	67	-39	0.38	3.8	3
1918	35.0	82	-15	0.40	2.9	2
1919	17.8	67	-35	0.78	6.2	4
1920	22.4	67	-32	0.83	7.1	4
1921	25.2	75	-22	0.97	9.1	6
1922	25.8	60	-30	0.71	6.4	4
1923	18.3	65	-35	0.38	4.8	4
1924	22.5	58	-20	0.48	4.4	4
1925	27.4	75	-26	0.68	6.0	4
1926	25.8	83	-23	0.24	1.8	3
1927	30.4	77	-10	0.72	6.5	5
1928	28.1	85	-17	0.52	4.8	3
1929	30.5	77	-15	0.78	5.3	5
1930	26.1	62	-17	0.09	0.9	1
1931	25.7	63	-24	0.94	4.8	5
1932	18.9	64	-30	0.84	6.0	8
1933	28.5	70	-14	0.45	3.7	3
1934	26.3	74	-12	0.49	3.8	4
1935	26.3	75	-37	1.26	7.0	5
1936	25.4	61	-27	0.81	8.1	6
1937	24.8	72	-20	0.39	4.3	3
1938	33.1	72	-14	0.59	2.5	4
1939	23.3	81	-29	0.39	5.3	3
1940	23.1	64	-26	0.87	9.1	7
1941	24.5	68	-25	0.58	6.8	5
1942	30.0	66	- 8	1.83	12.8	9
1943	17.0	77	-30	1.23	14.8	7
1944	16.7	53	-25	0.81	10.2	8
1945	33.3	77	-27	1.34	2.4	8
1946	34.8	86	-22	0.99	2.9	5
1947	22.3	66	-23	0.34	4.1	8
1948	17.6	64	-40	0.45	5.4	5
1949	21.9	55	-22	0.60	5.7	5
1950	19.2	59	-31	1.38	12.9	7
Period	23.7			0.79	8.2	

See reference notes following Station Index.

Station	Temperature						No. of days		Precipitation							No. of days		
													Snow, Sleet, Hail					
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
Amenia	21.7M		46	4	-23	2		31	1.72		.75	26	12.0	12	1+	7	2	
Baldhill Dam	18.9M								1.08		.55	27	8.3	20	1	7	1	
Carrington	18.4M	- 5.3	45	23	-17	2			2.85	2.16	1.20	24	17.0	16	1+	6	3	2
Cavalier Power Plaut	18.3	- 2.7	46	4	-22	2		31	1.98	1.22	1.13	27	16.8	22	1+	8	1	1
Cooperstown	19.1	- 5.2	45	22	-24	2		31	.66	- .05	.50	27	6.0			3	1	
Devils Lake WB City	17.5	- 2.3	44	22	-20	2		31	.86	.08	.24	26	12.8	17	1+	9		
Edgeley Exp Farm	22.8	- 4.5	50	6+	-18	2		31	1.28	.45	.69	26				8	1	
Edmore 1 W	15.5	- 5.6	38	22+	-26	2		31	1.25	.56	.35	26	16.0	19	1+	6	2	
Ellendale	23.7	- 3.5	53	6	-16	2		31	1.12	.17	.52	26	7.3	13	1	8	1	
Fargo WB AP //	20.7	- 2.0	42	22	-21	2		29	2.21	1.20	1.07	26	10.2	13	1+	12	2	1
Forman	24.0M	- 2.0	55	6	-13	2		31	.99	.19	.27	25	7.8			8	1	
Fullerton	23.3	- 3.8	53	6	-17	2		31	1.50	.44	.66	26	10.6	6	1	8	1	
Gackle	22.5M	- 2.8			-18	2			1.41	.56	.70	26	16.0	24	1+	6	2	
Grafton State School	18.0	- 3.7	42	4+	-27	2		31	1.92	1.22	1.03	27	11.9	19	1+	6	3	1
Grand Forks CAA //	17.2	- 5.3	44	4	-25	2		31	.94	.16	.24	26	9.8	11	1+	10		
Grand Forks Univ	17.9	- 4.6	43	4	-24	2		31	2.21	1.42	1.29	27	10.5	13	1	6	2	1
Hankinson R R Sta.	20.6	- 8.0	50	5+	-15	2		31	2.07	1.25	.87	27				7	2	
Hannah	14.3M	- 4.9	40	21+	-25	2			.39	- .33	.18	27	4.8	8	1+	6		
Hillsboro	19.2	- 6.1	44	4	-24	2		31	2.19	1.43	1.03	26				8	2	1
Jamestown CAA //	20.5	- 3.9	49	22	-19	2		31	1.90	1.00	.64	27	18.2	19	1+	10	3	
Jamestown State Hospital	21.6	- 2.8	50	22	-21	2		31	1.38	.48	.77	25	7.5			6	1	
Kensal Wildlife Re	18.5		47	22	-24	2		31	.80				9.2	28	1	6		
La Moure	23.2		53	6	-19	2		30	.81		.32	25				6	1	
Langdon Exp Farm	14.6	- 5.2	45	22+	-26	2		31	2.20	1.42	1.11	27	22.0	32	3	8	3	1
Larimore	19.1M	- 3.6	47	23	-21	2					1.46	27		20	1+	4	2	1
Lisbon	21.0	- 6.3	50	23	-21	2		31	1.25	.52	.75	27				6	1	
Mayville	19.8	- 4.9	45	4	-23	2		31	1.86	1.17	.72	26	14.5	16	1+	8	2	
Mc Henry 5 N	16.9	- 6.1	41	22	-24	2		31	.80	.11	.30	27	6.0	25	1+	10	1	
Mc Leod 3 E	23.0	- 4.8	49	22	-23	2		31	2.17	1.39	1.05	27	21.7			5	3	1
Municb 4 SW	15.1		38	30	-26	2		31	.45		.18	31	5.5	19	1	7		
Oakes	21.8	- 5.9	58	7	-17	2		31	1.25	.45	.52	27				6	2	
Park River	18.3	- 4.5	45	25	-22	2		31	1.44	.78	.61	27	15.5	18	1+	6	3	
Pembina CAA	13.5	- 4.9	42	4	-31	2		31	1.00	.20	.32	7	9.0	20	1+	9	1	
Sharon	18.4	- 5.8	42	22	-22	2		31	2.29	1.67	1.30	27	14.5	29	1+	7	2	1
Valley City	22.4	- 3.9	50	22	-20	2		31	1.59	.80	.80	26	6.5	30	7	7	2	
Wahpeton State School	23.5	- 4.1	48	6	-18	2		31	1.35	.63	.55	26	7.5	8	1+	7	2	
DIVISION	19.6	- 3.7							1.46	.63			11.6					
MIDDLE DIVISION																		
Belcourt Indian Reserve	14.5		44	4	-31	2		31	.24		.08	27	1.9	15	1	4		
Bisbee	17.6M	- 4.9	42	22				29	.24	- .47	.13	27	2.0	17	1+	2		
Bismarck WB City	22.3	- 2.9	49	4	-15	2		29	2.86	1.99	.91	27	28.7	16	27+	10	3	
Bismarck WB AP	20.0	- 1.9	48	22	-21	2		31	2.84	1.95	1.15	26	29.7	16	27+	10	3	1
Bottineau	16.1	- 4.7	44	30	-24	2		31	.06	- .61	.02	16+	1.0	13	1+	4		
Butte	19.9	- 6.5	47	4+	-14	2+		31	.64	- .18	.24	27				4		
Carson 2 SW	19.3	- 7.7	45	6	-15	12		31	2.66	1.80	1.00	26	24.5	31	28	8	3	1
Center	18.9	- 7.6	48	6	-21	2		31	3.52	2.79			27.0	18	27+	8		
Drake	18.5	- 6.2	59	5	-19	22+		31	.52	- .18	.26	24+				2	2	
Dunseitb St Sanita	18.2	- 4.3	44	4+	-23	2		31	.47	- .15	.43	27	5.4	16	1+	2	1	
Eckman	14.7	- 8.3	46	23	-27	2		31	.26	- .30	.09	7	2.3	21	1+	6		
Fessenden	18.2M	- 5.5	45	22	-18	2		31	1.15	.40	.76	25				5	1	
Fort Yates	22.1	- 5.1	50	4	-17	2		30	1.65	.84	.85	26	12.0	26	1+	8	3	
Foxholm Wildlife R	19.5	- 5.9	50	22	-21	2		30	1.90	1.18	1.00	26	15.0	16	28	3	2	1
Garrison	19.3	- 5.1	47	22	-15	2		31	1.21	.42	.71	26	15.8	12	27+	6	1	
Granville	18.2	- 6.3	46	4	-22	2		31	.39	- .15	.17	2[illegible]	4.5	21	1	3		
Leeds	17.8		47	22	-24	2		31	1.39		.35	25	15.9			10	2	
Linton	21.2	- 6.8	48	4	-23	2		30	1.10	.32	.46	26	6.1	18	1+	8	2	
Maddock Agr School	17.8	- 6.5	45	22	-26	2		31	1.02	.38	.24	23				8		
Mandan Exp Station	18.6	- 8.2	47	5+	-17	2		30	2.82	1.98	1.05	24	20.5	15	28+	10	4	1
Mandan Ft. Lincoln	22.0		49	4	-19	2		30	2.12		.87	26	25.3	20	27	8	3	
Max	17.3	- 7.2	48	23	-15	2		31	1.58	.84	.95	27	18.5	14	28+	5	2	
Mc Clusky	18.5	- 7.7	45	6	-17	2		31	3.22	2.44	1.15	28	26.0	9	26	9	4	1
Minot CAA //	18.5	- 5.1	48	22	-15	2+		30	1.94	1.33	1.07	27	16.6	15	28	10	2	1
Minot Exp Farm	18.1M		48	22	-17	2		31	.95		.70	27	9.6	12	1+	7	1	
Mohall	17.3	- 4.2	48	22	-19	2		31	.43	- .28	.17	26	6.8	17	1	6		
Napoleon 1 SE	19.5	- 3.8	43	22	-23	2		31	2.76	1.89	1.17	26	17.8	25	1	8	4	1
New Salem 1 8	19.0	- 7.2	46	6	-13	2+		31	2.22	1.52			38.3	30	28	9		
Pettibone	19.4	- 5.0	45	4+	-21	2		31	2.50	1.87			23.9	27	1+	9		
Riverdale	20.1		47	22	-15	2		30	.88		.35	27				10	1	
Rolla	16.6	- 4.6	45	4	-16	2		31	.53	- .37	.20	27	6.4	24	31	4		
Rugby	18.1		43	5+	-22	2		31	.70	.01	.55	26	6.0	4	26	3	1	
Steele	19.7	- 4.8	46	24	-24	2		31	1.97	1.25	.58	26	23.1	22	28+	10	3	
Towner	17.4	- 5.2	47	23	-19	2		31	.25	- .53	.20	26	3.0			2		
Turtle Lake	18.6M	- 6.6	46	6	-19	2		31										
Underwood 12 W	21.1	- 7.8	48	6+	-13	2		31	1.64	.90	.80	26	15.7			6	1	
Upham Wildlife Ref	16.6M		46	21+	-28	2			.07		.07	26	.7			1		
Velva	20.1	- 5.2	50	22	-20	2		31	.67	.08	.27	27	9.3	13	1+	7	1	
Waahburn	21.6	- 3.9	49	6	-13	2		30	1.54	.85	.80	26	22.5			3	2	
Westbope	16.4	- 6.1	45	21	-25	2		31	.21	- .38	.08	26	4.0	20	3	3		
Willow City	17.2	- 2.9	49	31	-29	2		31	.15	- .59	.06	26	1.7	10	1+	4		
Wilton R R Station	16.4M	- 8.6			-19	2		31										
Wisbek	19.6M	- 6.5	48	23	-20	2		31	1.46	.65			14.3	24	1	9		
DIVISION	18.8	- 4.9							1.33	.54			13.9					

See reference notes following Station Index.

Table 2—Continued

CLIMATOLOGICAL DATA

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Snow, Sleet, Hail Max. depth on ground	Snow, Sleet, Hail Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
Amidon	21.5	- 6.7	52	4	-13	12		30	1.77	1.02	.70	23	12.1	12	28+	8	2	
Beach	21.9	- 5.7	52	4	-14	12		30	.85	.10	.25	26	9.1	4	27+	9	1	
Belfield	21.6M	- 5.9	53	4	-12	12		29	1.65	.84	.36	26		9	27+	8	4	
Bowman Court House //	20.7M	- 7.6	45	4+	-15	12		28	1.38	.70	.28	23+				12	2	
Crosby	14.9	- 8.9	45	23	-17	11		31	.39	- .29	.15	27	3.0	15	1+	5		
Dickinson CAA	19.7	- 5.8	48	4	-10	11+		31	1.74	1.04	.77	23	13.9	9	28+	13	2	
Dickinson Exp Sta.	19.5	- 6.0	48	23	-12	2		31	1.81	1.11	.52	27	19.4	10	28	9	3	
Dunn Center	18.9	- 7.1	48	23	-20	2		31	1.73	.98	.81	27	19.0	18	28	5	3	
Elbowoode	17.9	- 8.3	51	22	-19	1		31	1.03	.50	.45	26	8.3			8	2	
Epping	18.9	- 8.1	47	22	-19	11		31								3		
Grenora	17.9	- 4.5	44	22	-18	10+		30	.40	- .28	.20	23	3.0	2	1	4		
Kenmare	17.5	- 5.7	49	23	-16	2+		31	.81	.16	.30	27		10	1	8	2	
Marmarth	22.2M	- 6.6	54	4	-18	12		29	1.49	.76	.55	27	17.7	12	28	7	2	
Medora T R N M P	23.3		57	4	-17	12		30	.88		.30	26	11.6	6	27+	9	1	
Mott	20.7	- 6.9	47	4	-18	2		31	1.61	.75			19.8	16	27+	8		
New England	20.9	- 5.2	50	4	-15	2		30	3.64	2.83	1.68	23	29.0	17	27+	12	3	1
Parshall	19.2	- 6.1	48	22	-18	2		31	.57	- .01	.17	26+	6.5	17	1+	6		
Portal	13.5M	- 4.9			-22	11												
Richardton Abbey	21.0	- 6.2	51	4	-11	2		30	3.25	2.53	1.21	23	30.9	21	28	8	4	1
Sanish	18.6	- 6.2	46	22	-17	1		30	.52	- .06	.18	26				7		
Stanley	14.7		48	22	-23	11		31	1.07	.43	.40	27	8.0	10	1+	5	1	
Van Hook	19.9		49	22	-17	2		31	.34		.11	26	3.0	13	1+	4		
Watford City	20.6	- 5.6	50	22	-12	11		31	1.43	.74	.71	27				7	2	
Williston WB City	19.6	- 3.3	50	22	-13	11		29	1.43	.74	.44	26	11.8	10	27	7	2	
DIVISION	19.4	- 6.3							1.35	.59			13.3					
STATE	19.2	- 4.6							1.38	.59			12.9					

DAILY PRECIPITATION

Table 3

Station	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Adams 7 S	.02						.42	T									.08				.11			.19		.47	.90		.16		T	1.69
Alexander RR Sta.						.18										T	.03									.06	.57	.06				1.48
Alpha 1 S						.03	.15	T	T	T						T	.04	.18		T			.39			.12	.16					1.07
Amenia	.09															T				T	.13		.15	.17		.75	.31				.12	1.72
Amidon Z	T					T	.05		T	T							.50	.02					.70		.10	.15	.20	.05	T			1.77
Arvilla St Park	.21						.10							T							.08					.36	.48				.33	1.57
Baldhill Dam	.01	T						.17						T	T		-				.05			.30	*	*	.55					1.08
Balfour R																							.10	.05	.02	.19	.01				.03	.40
Beach Z						.01	.10		T	.04	T					T	.09	.06					.06		.04	.25	.20	T				.85
Balcourt Indian Res						T	T									.04										.07	.08				.05	.24
Belfield							.08									.05		T					.20	.30	.30	.36	.31	.05				1.65
Beulah							.04			T							.04			T			.47		.02	.85	.03					1.45
Bisbee	T															T										.11	.13					.24
Bismarck WB City							.04		T	T	T			T		T	T		.01	.04	.11		.85	.05	.04	.80	.91	.01				2.86
Bismarck WB AP Z					T	T	.04		T	T	T		T	T		T	T	.01	.01	.12			.87	.02	.22	1.15	.39	.01	T		T	2.84
Bottineau							T						T			.02										.01	.02				.01	.06
Bowman Court House Z //						T	.03	T	.04	.03						.04	.19	.18		.08			.28		.13	.28	.04		.08			1.38
Brelen R						.13	.47														-	-	-	-	-	-	-	-	-	-	-	-
Butte							T			T							T			T			.15	.10	T	.15	.24				T	.64
Carrington														T							.02			1.20	.18	.20	1.00	.25					2.85
Caraon R						.09	.01													.15			.77		.05	1.06	.11	.05				2.29
Carson 2 SW						T	.12		T	T	T						.03	T	.01	.18			.76		T	1.00	.40	.16				2.66
Cavalier Power Pl	.03						.13						T	T	T	.20	.02				.10					.22	1.13	T			.15	1.98
Center	T					T	.24			T						.05			.03	.25			*	1.15	T	1.05	.75	T			T	3.52
Colgata							.10													.15			1.10				1.50					2.85
Cooperstown										T						T					.10		.06			T	.50				T	.66
Courtenay							.15			T						T					.10		T			.20	.53	.31			T	1.32
Crosby	T						.04			T			T			.04	T							.06		.10	.15				T	.39
Dawson R							.04													.07	.01		.30	.05	.04	.41	.08				.06	1.06
Devils Lake WB City Z	.01	T	T			.08	.07	T	T	T	T	T	T	T	T	.03		T		.15	T		.09	T	T	.24	.12			T	.07	.86
Dickinson CAA AP Z	T				T	.04	.02		.03	.02	T			T	T	.06	.05	.04	T	.01			.77		.11	.39	.14	.06	T			1.74
Dickinson Exp Sta	T				T		.11			.02	T			T		T	.08	T	T	T	T		.36	.31		.18	.52	.24	.01			1.81
Drake																								.26				.26				.52
Dunn Center							.12			T							T						T	.15		.40	.81	.25				1.73
Dunseith St Sanitar													T			.04											.43					.47
Eckman							.09										.04							.01		.05	.05	.02				.26
Edgeley Exp Fm Z									T	T						T				.02	.20		.08	.02	.20	.69	.04	.03				1.28
Edmore 1 W							.15										T			T	.17			.10		.35	.07				.41	1.25
Elbowoods						.02	.02				T			T		.01	.01						.38		.04	.45	.10					1.03
Ellendale							T			.02					T	T				T	.10		.08	.04	.13	.52	.15	.08				1.12
Epping							.14																.13				.24	-				-
Fairfield 8 N						T	.06			T			T			.05							.05		T	.33	.28	.05				.82
Fargo WB AP Z //	.15	T					.31	T		T	T			T		.06	T			.17	.07		.02	.01	.05	1.07	.20	.01	T	T	.09	2.21
Fessenden							.04																.06		.76	.19					.10	1.15
Flasher								.18									.05				.09		.30	.42		.12		.64				1.80
Forman							T	.12								T	.04				.11		T	.12	.27	.21	.08	.04				.99
Fort Yates Z							.02			T							.01			.02	.01		.35	.04	T	.85	.35	T				1.65
Foxholm Wildlife Ref																										1.00	.80	.10				1.80
Fullerton	T						.02			T						T				T	.11		.07	.08	.18	.66	.22	.16				1.50
Fryburg	T						.14			.02	.01			T			.03	.01	.01				.10	.09		.11	.18	.09	T			.80
Gackle							T														.01		.16	.04	.34	.70	.16					1.41
Garrison	T					.08	.13			T		T	T	T		T	.01			T			T	T	.12	.71	.18	T	T		T	1.21
Glen Ullin R						.04	.03									.01	.01		.02	.13			1.00					-	-			-
Grafton State Sch	T						.18							T		.12					.07					.27	1.03				.25	1.92
Grand Forks CAA AP Z //	.12					.02	.05	T	T	T			T	T		.06				.06	.04				.01	.24	.16	T			.18	.94
Grand Forks Univ	T						.02		T	T				T		.06					.22					.08	1.29	T			.53	2.21
Grano R //	.08					.10	.05									.05										.33	.27				.10	.99
Granville						T	T			T		T				T	T						T	.10		.17	.12				T	.38
Granora																	.05						.20			.07	.08					.40
Halliday						.15				.03				T			T						.20			.41	.59	.09				1.47

See reference notes following Station Index.

Table 3—Continued

DAILY PRECIPITATION

NORTH DAKOTA
MARCH 1850

Station		Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Hankinson RR Sta.								.20	.24													.11			.18		.14	.87	.33				2.07
Hannah		.01						.02									.05										.02	.18	T			.11	.39
Harvey Water Wks			T					T	T								T				.05			.20	.18		.16	.14				.71
Haynes 8 NE	R							.07										*	.05	.03	.19			.54			.63	.20	.12				1.83
Hazelton RR 6ta.	R //																				.07			.44		.06	.55	.18					1.28
Hettinger	Z	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	.12	.03	.02		.16		.07	.16	.19	.12	.79	.12	.05			-
Hillsboro		.08						.10	T	T	T			T	T		.04				T	.15		T	.22	T	1.03	.17				.42	2.19
Hurdsfield	R							.06													.12			.50	.09	*	*	1.90				.03	2.70
Jamestown CAA AP	2 //	.10					T	.05			T	T	T	T	T		T	T			.05	.03		.16		.26	.38	.64	.21	T		.02	1.90
Jamestown St. Hosp		T						.04			T						T	T			T	.09	.15	T	.14	.77	.19	T			T	1.38
Kenmare								.01									.01	.07									.29	.30	.13				.81
Kensal Wildlife Ref		.17						.02			T						T					.10		.15			*	.38					.80
Kramer 5 8E	R																.03										.06					.08
La Moure		T						T			T						T	T			T	.06		.09	.23	.32	.09	.02				.81
Langdon Exp Farm		.06						.28									.15					.05					.23	1.11	.04			.28	2.20
Larimore								.22		T	T			T			-					.20						1.46				.56	-
Leeds							.03	.06			.15						.11	.03			.20			.08		.35	.30					.08	1.39
Linton								.03			T											.09		.32	.04	.02	.46	.11	.03				1.10
Lisbon		T	T						.05													.11			.13		.20	.75		.01			1.25
Maddock Agr Sch		.11						.11			T				T		T	.07			.05	.06		.24	.17		.21						1.02
Mandan Exp Sta	2					T		.04	T		.01	T						.01		.02		.17		.35	1.05	T	.32	.75	.10				2.82
Mandan Ft Lincoln Pk		T						.04													.09	.03		.63	.15	T	.87	.26	.05			T	2.12
Marmarth							T	.03			T	.10						.18	T		.10			.46				.55	.07				1.49
Martin								T									T				.05			.24	.11		.09	.28					.77
Max		T						.07										T							.05		.16	.95	.35				1.58
Mayville		T						.15				T			T		.03					.12		T	.20		.72	.43	.09			.12	1.86
Mc Clusky								.38										.02			.11			.82	.05	.02	1.15	.56	.13				3.22
Mc Henry 5 N		.01						.08			T						.01					.09		.04	.03		.14	.30	.06			.04	.80
Mc Leod 3 E		.10							.14								T					.28					.60	1.05					2.17
Mc Ville																	.15					.10					1.61	.20				.10	2.18
Medina 1 //								.07														.20		.35	.10	.04	.74	.43					1.83
Medora T R N M P								.08			.03	T						.05	.03					.14		.02	.30	.23	.02				.88
Melville	R							.05													.05	.05		.15		.05	.65	.02					1.02
Minot CAA AP	2 //	.01					.01	.01			T		T	T			.01	T		T				T	.01	.03	.69	1.07	.05	T	T	.05	1.94
Minot Exp Farm							T	.01			T		T				T	.01						T	T	.01	.20	.70	.01	T		.01	.95
Moffit RR Sta.								T			T											.09		.05	.40		.15	.50					1.19
Mohall							.01	.02			T						.06								.01		.17	.16					.43
Montpelier		T	T					T	T									T				.09			.15		.19	.59	.01		T		1.03
Mott	2						T	.05		T	T							.03	.09		.17			.56		*	*	.71					1.61
Munich 4 8W		.03						.12			T		T		T		.05				T	.01		T	T		.02	.04	T		T	.18	.45
Napoleon 1 SE	2	T						.02			T				T			T				.08		.38	.34	.24	1.17	.46	.07			T	2.76
New England		.06						.12			.04	.04						.09	.23		.09			1.68		.04	.68	.56	T	.01			3.64
New Rockford		.03						.02									.03					.05		.19		T	.30	.05				T	.67
New Rockford 8 NW		T						.05		T			T		T		.03	T			.04	.09		.21	.08		.21	.10				T	.79
New Salem 1 S							T	.20									.06		T	.04	.16			.80	T	.06	*	.70	.10				2.22
Oakes	Z								.08		T	T					T					.15			.15		.27	.52	.08				1.25
Park River											T		T		T		.14				T	.03					.28	.61	.03			.35	1.44
Parshall							T	.06									T	.04						T	.08	T	.17	.17	.05				.57
Pembina CAA	2 //	.05					T	.32			T		T	T	.03	T	.23				.02	.01					.19	.12				.03	1.00
Pettibone	2	T						.12									T	.01				.08		.30	.02	.02	*	1.85	.10				2.50
Portal								.08									.06	T							T		.19	-	-	-		T	-
Pretty Rock		.02					.02	.07			.02	.10					.12		.24	.07	.14			.32		*	*	*	1.88				3.00
Reeder 14 N																		.03	T	.07	.05	.08		.19	.28		.26	.88	.34	T	.08		2.27
Richardton Abbey	Z						T	.31		T	T						T	.08	T	T	.05			1.21		.10	.42	.96	.12	T			3.25
Riverdale	Z	T		.04			.01				T		T		T			.02		T		.01		.17	.05	.02	.15	.35	.06		T	T	.88
Rolette	R																.07										.32	.05				.04	.48
Rolla		T					T	T						T	T		.07										.15	.20				.11	.53
Rugby							.10										T				T						.55	.05				T	.70
Ryder								.03									T								.03		*	*	.58				.64
Sanish								.02			T				T	T	T	.03	.14						.03	T	.18	.08	.06				.52
Sarles	R //	.26															.10										.30	.32					.98
Seleridge								.15	T	T	T							.10		T	.04	.04		1.50	.25	.50	.15	.15	.15				3.03
Sharon		.10						T									.12					.05		.04			.60	1.30				.08	2.28
Sherwood					.12		T	.01									T	.07							T		.12	T				.15	.47
Sheyenne	R																				.08	.05		.20	*	*	*	1.30					1.63
Stanley							T	.07							T									.20	.18		.22	.40					1.07
Steele		.07						.04		T								.02			T	.08		.52	.07	.09	.58	.38	.12			T	1.97
Tagus		T	T				T	.08							T		.02							T	.03	T	.59	.48				T	1.20
Tioga																T								.10	T	.10	T	.25					.45
Towner							T																	T	T		.20	.05					.25
Trotters Gen Store	R						.11											.01	.07					.11		.33	.35	.09					1.07
Tuttle 8 SW		.12						.15														.12		.38		.08	.18	.10	.17				1.30
Underwood 12 W								.17	T									T			T			.23	.24	.10	.80	.10	T			T	1.64
Upham Wildlife Ref							T	T		T	T		T		T		T									T	.07	T				T	.07
Valley City		.02						.10							T		T					.05		.17	.09	T	.80	.36					1.59
Van Sook							T	T									T	T						.08	.40	T	.11	.10					.34
Velva							T	.03			T						T	.02						T	.17	T	.08	.27	.02			.08	.67
Verona								-										-									.38	.45		.05			-
Wahpeton Power Pl	R							.30													.05	.09		.03	.04	.10	.47	.32				.03	1.43
Wahpeton State Sch		.04						*	.25								T	T				.15			T	.01	.55	.35	T			T	1.35
Washburn							T								T			T		T	.12			.62			.80	T			T	1.54
Watford City								.10										.07						.17		.09	.27	.71	.02				1.43
Westhope								T									.08										.08	.05					.21
Wildrose							T	.18					T					.09						.10	.02		T	.28	.10				.77
Williston WB City	2	T		T			.16	T		T	T		T		T		.04	.01						.14	T	.22	.44	.42	T	T		T	1.43
Willow City							T						T		T		.03							T	T		.06	.04				.02	.15
Wilton RR Sta.								.08	T		T							T		-		.10			1.26		-	1.42	.12				-
Wishek		.07	.03					.01	T		T											.05		T	.27	*	*	.63	.40	T				1.46

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA
MARCH 1950

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
ASHLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVILS LAKE WB CITY								.01																		.01
EDGELEY EXP FARM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//		.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01				.01								.15
GRAND FORKS CAA	//				*	*		*	*	*	*	*	*	.12												.12
GRANO	//	.04	.01	.02	.01	.01																				.08
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HETTINGER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAMESTOWN CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	.05												.05
MC GREGOE RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAPOLEON 1 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PETTIBONE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SARLES 3 E	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.26							.26
SEARING	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—6th—																									
AMIDON																							.03	.02	.01	.06
BEACH																				.02	.01	.02	.02	-	.01	.08
HOWMAN COURT HOUSE	//													*	*	*	*	*	*	*	*	*	*	*	*	*
BREIEN																								.07	.06	.13
CARSON																								.05	.04	.09
DEVILS LAKE WB CITY																						.03	.03	.01	.01	.08
DICKINSON CAA																*	*	*	*	*	*	*	*	*	*	*
GLEN ULLIN																								.01	.03	.04
GRAND FORKS CAA	//																							*	*	*
GRANO	//																							.02	.08	.10
MINOT CAA	//																			*	*	*	*	*	.01	.01
RICHARDTON ABBEY																							.03	.07	.08	.19
TROTTERS GEN STORE																				.01	.03	.02	.02	.02	.01	.11
WILLISTON WB CITY																				.01	.03	.03	.04	.03	.02	.16
—7th—																									
BEACH		.03																								.03
BISMARCK WB AIRPORT				.01	.01	.01	.01																			.04
BOWMAN COURT HOUSE	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.03								.03
BREIEN		.07	.10	.09	.05	.06	.02	.01	.02	.02	.03															.47
CARSON		.01																								.01
DAWSON			.01	.01	.01	.01																				.04
DEVILS LAKE WB CITY		.02	.02	.02	.01																					.07
DICKINSON CAA		*	*	*	*	*	*	*	*	*	.06															.06
FARGO WB AIRPORT	//			.02	.02	.01	.01				.05	.10	.05	.03	.01	.01										.31
FORT YATES				.01	.01																					.02
GLEN ULLIN		.01	.01	.01																						.03
GRAND FORKS CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.07			.07
GRANO	//	.05																								.05
HAYNES 6 NE				.01	.04	.02																				.07
HURDSFIELD				.04		.01		.01																		.06
JAMESTOWN CAA	//	*	*	*	*	*	*	.05																		.05
MELVILLE						.01	.04																			.05
MINOT CAA	//	*	*	*	*	*	*	.01																		.01
MOTT			*	*	.07																					.07
OAKES										.01	.01	.02														.04
PEMBINA CAA	//	.02	.03	.07	.08	.12	.09	.07		.09	.05	.05	.01	.03		.02	.02	.01	.01							.76
RICHARDTON ABBEY		.06	.06																							.12
RIVERDALE				.01	.03																					.04
WAHPETON POWER PLANT									.10	.07	.03	.02	.04	.02	.02											.30
—9th—																									
BOWMAN COURT HOUSE	//				.01					.01	.02	.01	.01	.01												.07
DICKINSON CAA										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05	.05
—10th—																									
BEACH			.01	.01	.01	.01																				.04
BOWMAN COUET HOUSE	//			.01	.01						.01	.01		.01	.01					.01						.07
DICKINSON CAA																				*	*	*	*	*	.02	.02
—14th—																									
PEMBINA CAA	//																		.01		.01			.01		.03
—16th—																									
BEACH																							.02	.01	.01	.04
BOWMAN COURT HOUSE	//																							.01	.03	.04
DEVILS LAKE WB CITY												.01	.01	.01												.03
DICKINSON CAA										.01	.01	.01	.01													.04
FARGO WB AIRPORT	//															.02	.02	.01	.01							.06
GLEN ULLIN																									.01	.01
GRAND FORKS CAA	//														.02	.03	.01									.06
GRANO	//											.01	.01				.01				.01	.01				.05
KRAMER 5 SE										.01	.01	.01														.03
MOTT																					*	*	*	*	*	*
OAKES																					.01	.01				.02
PEMBINA CAA	//									.01	.02	.02	.05	.05	.04	.02		.01		.01						.23
RICHARDTON ABBEY																								.01		.01
ROLETTE										.02	.02	.01	.02													.07
SAELES 3 E	//									.02	.01	.03	.04													.10
WILLISTON WB CITY										.01	.01													.01	.01	.04
—17th—																									
AMIDON		.02																								.02
BEACH		.02	.01	.01	.01																					.05
BOWMAN COURT HOUSE	//	.02	.02																	.01	.02	.03	.02	.01		.13
DICKINSON CAA		.02	.01	.01	.01																					.05
FORT YATES							.01																			.01
GLEN ULLIN		.01																								.01
HAYNES 6 NE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MOTT		*	*	*	*	*	.03																			.03
RICHARDTON ABBEY		.02	.01	.01		.01																				.05
RIVERDALE		.01	.01																							.02
TROTTERS GEN STORE					.01																					.01
WILLISTON WB CITY					.01																					.01
—18th—																									
AMIDON												.01	.01		.01											.03

See reference notes following Station Index.

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
BEACR			.01	.01	.01	.01	.01	.01	.01	.01	.01															.09
BISMARCK WB AIRPORT																									.01	.01
BOWMAN COURT ROUSE	//	.01	.01			.03	.02		.02	.02	.01	.02	.02	.01												.17
BREIEN																										
DICKINSON CAA															.01	.01						.01	.01			.04
HAYNES 6 NE		*	*	*	*	*	*	*	*	*	.05															.05
MOTT																	.01			.01		.01				.03
TROTTERS GEN STORE							.01	.02			.01		.01	.01				.01								.07
														—19th—												
AMIDON					.01				.01																	.02
BISMARCK WB AIRPORT					.01																					.01
GLEN ULLIN		.01	.01																							.02
HAYNES 6 NE			.01			.01		.01																		.03
MANDAN EXP STATION		.01	.01	.01																						.03
RIVERDALE														.01	.01											.02
														—20th—												
AMIDON								.01	.03	.01																.05
BISMARCK WB AIRPORT																.02	.02	.02	.02	.02	.01	.01				.12
BOWMAN COURT ROUSE	//							.04	.06	.03	.02															.15
CARSON														.09	.02	.02	.02									.15
DAWSON																				.01	.01	.01	.01	.02	.01	.07
DEVILS LAKE WB CITY																			.01	.07	.02	.02	.02	.01		.15
DICKINSON CAA		.01	.01							.01	.01															.04
FARGO WB AIRPORT	//																		.03	.02	.02	.02	.05	.01	.02	.17
FORT YATES																			.01	.01	.01	.01	.01			.05
GLEN ULLIN										.01	.01	.05	.03	.02	.01											.13
GRAND FORKS CAA	//																					.01	.01	.03	.01	.06
HAYNES 6 NE											.01	.03	.08	.01	.01	.02	.01	.02								.19
HAZELTON R R STATION	//																				.02	.02	.01	.01	.01	.07
HURDSFIELD																		.04	.03	.02	.01	.01	.01			.12
JAMESTOWN CAA	//																						.01	.02	.02	.05
MANDAN EXP STATION															.01	.03	.03	.03	.01							.11
MELVILLE																						.01	.01	.01	.02	.05
MOTT								.01	.05	.04	.04	.01	.01	.01												.17
OAKES																				.02	.02	.01			.01	.06
PEMBINA CAA	//																								.01	.01
RICHARDTON ABBEY									.01	.01	.02	.01														.05
SHEYENNE																				.03	.02	.02	.01			.06
WAHPETON POWER PLANT																						.03	.02			.05
														—21st—												
DAWSON		.01																								.01
FARGO WB AIRPORT	//				.02	.01						.02	.02													.07
GRAND FORKS CAA	//				.01	.02	.01	.01																		.05
JAMESTOWN CAA	//			.02	.01																					.03
MELVILLE			.01	.01						.01				.01				.01								.05
OAKES		.01	.02	.01						.01	.01		.01													.07
PEMBINA CAA	//	.04												.01	.02											.07
SHEYENNE											.02	.01	.01		.01											.05
WAHPETON POWER PLANT			.01	.01		.01	.01	.01	.01					.03												.09
														—23d—												
AMIDON				.05	.05	.05	.08	.09		.03	.05		.02	.02	.01		.01									.46
HALFOUR																	.02	.02	.01	.01	.01	.02	.01			.10
BEACR				.02	.01	.01		.01	.02																	.07
BISMARCK WB AIRPORT								.12	.06	.09	.09	.09	.09	.04	.05	.05	.05	.05	.04	.01	.01	.01	.01	.01		.87
BOWMAN COURT HOUSE	//		*	*	*	*	*	*	*	*	.28															.28
CARSON					.02	.05	.09	.11	.03	.06	.11	.07	.11	.07	.02	.02	.01									.77
DAWSON								.01	.01	.02	.02	.02	.02	.02	.01	.05	.04	.02	.02	.02	.01	.01				.30
DEVILS LAKE WB CITY																.04	.02	.01	.01	.01						.09
DICKINSON CAA						.03	.22	.20	.10	.10	.04	.03	.03	.01						.01						.77
EDGELEY EXP FARM		-	-	-	-	-	-	-	-	-	-	-	-					.01		.01						-
FARGO WB AIRPORT	//																						.01	.01		.02
FORT YATES						.05	.08	.08	.06	.02	.02	.01				.01	.03	.01								.37
GLEN ULLIN							.14	.13	.15	.09	.10	.11	.08	.05	.02	.03	.04	.02	.01	.01	.01	.01				1.00
HAYNES 6 NE				.05	.07	.06	.05	.01	.05	.05	.02	.03	.05	.03	.04	.03										.54
HAZELTON R R STATION	//							.03	.03	.09	.06	.03	.01	.03	.02	.01	.01	.01	.03	.02	.01	.01	.02	.01	.01	.44
HURDSFIELD												.04	.06	.04	.09	.05	.05	.04	.01	.05	.02	.02	.01	.01	.01	.50
JAMESTOWN CAA	//												.01	.01	.01	.01	.01	.02	.01	.03	.02	.04	.01	.01	.01	.20
MANDAN EXP STATION								*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.05				1.05
MELVILLE														.01	.04	.03	.04	.03								.15
MOTT		.01	.02	.07	.05	.07	.03	.02	.01	.04	.06	.05	.05	.03	.04											.55
OAKES												.05							.01	.01	.02	.01	.01	.01	.02	.14
RICHARDTON ABBEY						.10	.21	.19	.12	.05	.07	.11	.15	.09	.05	.03	.03									1.20
RIVERDALE											.02	.03		.01	.04	.02	.03	.02								.17
SHEYENNE															.02	.04	.03	.03	.03	.05						.20
TROTTERS GEN STORE							.01	.01	.02	.01	.05				.01											.11
WAHPETON POWER PLANT																						.01	.01		.01	.03
WILLISTON WB CITY										.03	.03	.04	.04													.14
														—24th—												
BALFOUR									.01	.02					.01			.01								.05
BISMARCK WB AIRPORT				.01			.01																			.02
DAWSON		.01	.01					.01	.02																	.05
EDGELEY EXP FARM		.01	.01																							.02
FARGO WB AIRPORT	//			.01																						.01
HURDSFIELD		.01	.02	.01	.01				.01		.01	.02														.09
MINOT CAA	//							.01																		.01
OAKES		.01							*																	.01
RIVERDALE										.03	.02															.05
SHEYENNE																						*	*	*	*	*
WAHPETON POWER PLANT		.02	.01	.01																						.04
														—25th—												
AMIDON																	.01	.01	.04	.02	.03	.03				.14
BALFOUR																	.01				.01					.02
BEACR																			.03	.02	.05	.02		.01		.13
BISMARCK WB AIRPORT														.01	.01			.01	.01	.02	.02	.03	.04	.04	.03	.22
BOWMAN COURT HOUSE	//								.01			.04			.01	.04	- 5	.05	.11	.08	.06		.01		.01	.47
CARSON																			.01	.02	.01	.01				.05
DAWSON																		.01	.02	.01						.04
DICKINSON CAA													*	*	*	*	*	*	*	*	*	*	*	*	*	*
EDGELEY EXP FARM														.03	.03	.03	.02	.03	.01		.02		.01			.18
FARGO WB AIRPORT	//																						.01	.02	.02	.05
FORT YATES																				.02	.02					.04
GRAND FORKS CAA	//																								*	*
HAZELTON R R STATION	//																		.01		.02	.02	.01			.06
HURDSFIELD																	*	*	*	*	*	*	*	*	*	*

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

NORTH DAKOTA
MARCH 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
JAMESTOWN CAA //															*	*	*	*	*	*	*	*	*	*	*
MELVILLE																					.01	.02	.01	.01	.05
MINOT CAA //																			*	*	*	*	*	.03	.03
MOTT																		.01	.01		.01	.01			.04
OAKES														.03	.07	.04	.03		.03	.02	.01	.01		.01	.25
RICHARDTON ABBEY										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
RIVERDALE																		*	*	*	*	*	*	*	*
TROTTERS GEN STORE															.02		.01		.02	.07	.06	.08	.08	.01	.33
WAHPETON POWER PLANT																			.02	.03	.01	.01	.02	.01	.10
WILLISTON WB CITY																		.01		.03	.04	.03	.05	.06	.22
–26th–																									
AMIDON														.01	.01	.04	.03	.01	.02	.02	.01			.01	.16
BALFOUR								.01		.01		.02	.01	.01	.02	.02	.01	.01	.02	.01	.01	.01		.02	.19
BEACH	.01	.01	.02						.01				.04	.02	.02		.02	.01	.03	.04	.01	.02			.26
BISMARCK WB AIRPORT			.01			.01	.05	.06	.06	.06	.06	.06	.05	.04	.04	.04	.04	.04	.08	.09	.09	.09	.09	.09	1.15
BOWMAN COURT HOUSE .//	.01	.01	.01				.01	.04	.02	.03		.02	.03	.02	.03	.02	.03	.05	.01	.02	.01				.37
CARSON		.01	.02					.04	.03	.04	.04	.06	.05	.14	.09	.11	.12	.13	.09	.03	.01	.01	.01	.03	1.06
DAWSON		.01								.01	.02	.02	.04	.03	.08	.10	.03	.08	.01						.41
DEVILS LAKE WB CITY						.01						.01	.01	.01	.01	.02	.03	.01	.01	.04	.03	.02	.02	.01	.24
EDGELEY EXP FARM	.01	.01							.03	.06	.03	.05	.23	.10	.07	.03	.10	.02						.01	.75
FARGO WB AIRPORT //										.07	.18	.14	.11	.32	.03	.02	.11	.05	.02	.02					1.07
FORT YATES						.02	.02		.06	.06	.09	.15	.03	.13	.09	.07	.06	.05	.05	.01	.01	.03	.05	.04	1.04
GRANO //			.01	.02	.01			.01	.03	.02		.02	.02					.01	.01	.01	.03	.05	.04	.04	.33
HAYNES 6 NE		.01	.01		.01				.02		.01	.01	.02	.01	.01	.02	.05	.06	.13	.10	.08	.08			.63
HAZELTON R R STATION //								.01	.02	.03	.06	.08	.06	.03	.04	.02	.05	.08	.02	.02	.01	.01	.01		.55
KRAMER 5 SE								.02		.01				.01	.01										.05
MANDAN EXP STATION		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MELVILLE		.01						.03		.02	.03	.02	.04	.06	.10	.08	.04	.03	.09	.02	.04	.02	.02	.01	.65
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.69	.69
MOTT	.01		.01	.01					.01			.01	.02	.01	.02	.03	.03	.06	.05	.05	.03	.02	.01	.01	.39
OAKES										.01	.09		.20	.07	.01		.03	.04							.45
PEMBINA CAA //																	.01	.01			.03	.04	.06	.04	.01	.20
RIVERDALE	*	*	*	*	*	*	*	.10		.01		.01		.01	.03	.01					.03	.02	.02	.03	.01	.28
ROLETTE								.01	.02			.01	.01	.01	.02	.04			.05	.05	.05	.05			.32
SARLES 3 E //													.01	.01	.02	.02		.01	.01	.05	.04	.06	.05	.02	.30
TROTTERS GEN STORE	.03	.04	.04	.01	.03	.03	.01	.01				.01		.01		.01	.01	.01		.05	.02	.01	.01	.01	.35
WAHPETON POWER PLANT			.01					.03	.05	.04	.05	.02	.12	.06	.02	.03	.04					.09	.09	.12	.47
WILLISTON WB CITY	.02	.01	.02	.01	.03	.01	.01	.01	.01	.01															.44
–27th–																									
AMIDON	.01	.02					.01	.02												.01		.01			.08
BALFOUR							.01																		.01
BEACH	.01			.01	.01			.02	.01	.01		.01	.01												.09
BISMARCK WB AIRPORT	.04	.04	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.01	.01	.01	.01	.01	.01				.01			.39
BOWMAN COURT HOUSE //	.01		.01		.02		.01	.01																	.06
CARSON	.03	.04	.02																		.01		.01		.11
DAWSON	.02	.02	.01	.01	.02																				.08
DEVILS LAKE WB CITY	.01	.02	.02	.02	.02							.01	.01							.01					.12
DICKINSON CAA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.67					.01	.02	1.70
EDGELEY EXP FARM		.01	.02	.02	.02	.01																			.06
FARGO WB AIRPORT //					.01	.02	.04	.01	.01	.01	.01	.01	.03	.02	.01	.01			.01						.20
FORT YATES	.02	.01	.01	.01	.02	.02																			.09
GLEN ULLIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO //	.04	.07	.04	.02		.01	.01	.03	.02	.03															.27
HAYNES 6 NE	.02	.03	.02	.01	.02				.01			.05	.01	.02										.01	.20
HAZELTON R R STATION //				.01	.04	.01									.01			.02	.01	.01	.03	.01	.01		.16
HURDSFIELD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.90			1.90
MELVILLE		.02																							.02
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.07	1.07
MOTT	.02	.02	.01	.02	.01	.01																			.09
OAKES		.01	.01						.01	.01						.01				.01	.01			.01	.08
PEMBINA CAA //	.01	.02	.02		.06	.04	.04	.01																	.20
RIVERDALE	.04	.02	.04	.03	.02		*	*	*	*	*	.09													.25
ROLETTE	.02	.03																							.05
SARLES 3 E //	.01	.05	.02	.03	.03	.02	.02	.01	.01		.01	.02	.03	.02	.01	.01	.02								.32
SHEYENNE	*	*	*	*	*	*	*	*	*	*	*	1.30													1.30
TROTTERS GEN STORE	.01	.01					.01		.01	.01	.02				.01									.01	.09
WAHPETON POWER PLANT									.01	.03	.04	.06	.06	.05	.03	.02		.02							.32
WILLISTON WB CITY	.04	.02	.04	.02	.03	.01		.01	.04	.02	.02	.04	.02	.02	.01	.01	.01	.04	.02						.42
–28th–																									
AMIDON	.01	.02	.02																						.05
BISMARCK WB AIRPORT						.01																			.01
BOWMAN COURT HOUSE //	.01	.01																							.02
CARSON	.01	.02								.01				.01											.05
DICKINSON CAA	.02	.02	.03	.01	.02																				.10
EDGELEY EXP FARM	.01	.01	.03		.01	.01	.01		.02	.02	.02	.02							-	-	-	-	-	-	-
FORT YATES	.01				.01	.01		.01																	.04
GRAND FORKS CAA //	*	*	*	.41																					.41
HAYNES 8 NE	.01	.01		.04	.01	.03		.02																	.12
JAMESTOWN CAA //	*	*	*	*	*	*	*	*	1.49																1.49
MANDAN EXP STATION	*	*	*	*	*	*	*	1.17																	1.17
MINOT CAA /	*	*	*	*	*	.05																			.05
MOTT				.02	.02																				.04
OAKES	.01	.01																							.02
RICHARDTON ABBEY	*	*	*	*	*	*	2.10																		2.10
–29th–																									
AMIDON		.01	.01	.01																					.03
BOWMAN COURT HOUSE //					.02	.03		.05		.01	.01														.12
FARGO WB AIRPORT //		.01																							.01
GLEN ULLIN	-	-	-	-	-	-	-	-																	-
–31st–																									
ASHLEY //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR																.02	.01								.03
BREIEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON															.01			.02	.01	.01	.01				.06
DEVILS LAKE WB CITY											.02	.03	.01	.01											.07
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESMOND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT //															.02	.03	.02	.02							.09
GRAND FORKS CAA //									.01	.07	.05	.02	.01				.01			.01					.18
GRANO //										.05			.01	.03	.01										.10
HANNAFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HETTINGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD																		.02	.01						.03
JAMESTOWN CAA //														*	*	*	*	*	.02						.02
MC GREGOR RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINOT CAA														.01	.03	.01									.05

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

NORTH OAKOTA
MARCH 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
NAPOLEON 1 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA //		.01				.01						.02													.04
PETTIBONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROLETTE													.02	.01	.01										.04
SEARING //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT																			.02	.01					.03

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
AMENIA	MAX	17	11	31	46	38	40	39	14	19	20	17	25	25	23	31	35	26	23	31	31	38	41	39	40	38	36	35	29	31	41	38	30.6
	MIN	- 3	-23	5	21	30	27	- 1	- 2	0	7	- 6	0	2	13	5	19	7	2	11	20	22	17	28	29	28	32	27	14		19	31	12.7
AMIDON	MAX	19	33	44	52	45	41	26	17	15	15	8	10	23	26	39	43	36	24	0	22	40	44	42	39	39	35	30	31	28	34	40	37	31.5
	MIN	2	0	19	33	30	24	6	- 4	-11	0	-11	-13	- 9	- 1	20	23	7	0	2	12	25	30	27	21	23	26	19	12	11	13	20	11.5
ARVILLA STATE PARK	MAX	14	10	28	46	37	41	35	10	17	15	11	22	23	20	33	30	17	18	32	33	36	48	38	40	37	35	32	27	32	43	34	28.8
	MIN	- 5	-29	-12	21	25	24	- 4	- 6	-12	- 1	-12	- 3	- 4	6	- 4	15	3	5	4													
BALDHILL OAM	MAX	20	6	16	33	46	34	42	33	12	16			20	22	20	32	35			30	31	36	48	34	38		38	26	20	30	39	29.1
	MIN	- 2	-20	-20	12	31	27	2	- 6	- 4	2			- 9	4	0	12	3	- 3			21	18	24	23	28		24	10	0	17	30	8.6
BEACH	MAX	15	40	42	52	45	37	28	18	17	15	7	11	25	26	36	38	22	15	29	36	44	41	38	40	33	32	28	29	36	39	37	30.7
	MIN	0	0	24	35	31	25	5	- 5	4	0	- 8	-14	- 9	2	12	20	7	8	4	14	15	25	30	28	28	27	19	12	21	17	26	13.0
BELCOURT INDIAN RES	MAX	13	10	20	44	39	32	25	10	13	10	10	16	14	15	25	21	14	20	25	26	42	39	38	38	35	32	29	24	28	40	35	25.2
	MIN	-11	-31	- 5	11	16	20	- 6	-12	-12	-17	-20	-14	- 7	1	- 4	5	- 4	-10	5	10	13	14	20	25	21	27	18	7	8	20	27	3.7
BELFIELD	MAX	12	30	48	53	45	33	23	22	22	18	12	16	28	28	38		26	25	28	40	45	47	38	47	35	34	30	34	37	44	38	32.5
	MIN	- 2	- 8	19	32	33	20	4	- 6	- 3	3	- 9	-12	- 7	8	8		8	7	8	10	16	22	29	22	23	24	18	12	12	15	15	10.7
BISBEE	MAX	15	- 1	26	38	35	34	27	12	11	13	8	17		17	28	26	16	26	28	38	40	42	39	38	38	33	36	32	31	25	35	41	36	27.0
	MIN	- 7		-13	16	16	23	- 3	- 7	-11	-12	-17	- 9		5	- 4	4	- 2	- 3	7	7	19	22	26	29	28	29	20	10	11	25	25	8.1
BISMARCK WB CITY	MAX	22	15	35	49	43	48	40	16	18	17	16	18	24	23	33	42	30	19	29	26	43	48	45	42	40	33	30	22	33	29	37	31.1
	MIN	- 2	-15	0	26	33	33	10	- 2	2	12	- 6	- 7	- 1	12	7	17	9	7	15	16	18	20	32	30	26	30	22	15	5	22	30	13.4
BISMARCK WB AIRPORT	MAX	13	16	34	46	41	47	29	16	18	17	7	19	23	23	32	39	18	19	29	29	42	48	36	42	33	32	30	21	33	40	38	29.4
	MIN	-13	-21	- 1	29	32	28	4	- 1	2	4	- 5	- 8	- 3	9	3	16	10	5	9	14	15	20	30	29	26	29	21	1	0	21	24	10.6
BOTTINEAU	MAX	14	9	20	39	37	33	29	15	14	11	7	15	18	17	26	23	18	17	28	29	40	41	39	41	39	35	31	28	32	44	42	26.8
	MIN	- 8	-24	- 1	14	16	24	1	-12	-13	-10	-19	-14	-14	- 2	- 4	13	1	- 4	5	1	13	14	28	26	21	25	17	8	11	22	28	5.3
BOWMAN COURT HOUSE	MAX	21	28	42	45	45	36	30	15	14		9	9	24	25	37	41	31	13	20	32	38	38	33	36	33	31	29	22	35	34	34	29.3
	MIN	2	-11	15	33	33	29	7	- 5	6		- 7	-15	- 7	2	11	25	10	9	1	10	13	16	27	15	26	27	20	15	16	13	27	12.1
BUTTE	MAX	17	16	32	47	46	47	32	14	16	14	14	19	21	28	30	32	19	19	27	29	46	47	43	40	37	34	30	24	32	41	38	30.0
	MIN	- 5	-14	-14	28	29	29	5	- 4	- 4	- 1	-10	- 6	- 4	6	- 5	4	1	- 1	12	15	23	26	30	29	27	29	20	12	2	19	26	9.8
CARRINGTON	MAX	18	5	15	36	36	40	40	30	20	15	15	10	19	21	20	35	19		32	30	34	38	45	39	42	36	33	25	23	30	35	
	MIN	5	-17	-15	15	26	24	4		3	3	- 8	- 9	- 5	- 1	2	4	7		- 1	13	13	20	25	22	27	28	24	12	3		22	
CARSON 2 S W	MAX	15	14	42	40	43	45	33	12	15	17	10	18	24	21	35	38	28	15	25	30	38	44	34	40	32	34	32	21	35	40	35	29.2
	MIN	- 4	-14	6	28	27	30	6	- 6	0	1	-10	-15	- 9	1	6	18	8	6	7	9	7	15	29	22	25	25	20	10	- 1	14	28	9.3
CAVALIER POWER PLANT	MAX	12	8	25	46	42	37	34	10	18	15	13	22	20	19	28	28	18	22	30	34	41	44	43	38	37	36	33	29	30	46	43	29.1
	MIN	- 7	-22	- 9	21	17	20	- 5	- 6	-14	- 4	-12	1	- 3	5	- 3	12	- 1	- 5	7	11	22	27	23	30	29	29	25	7	- 2	13	26	7.5
CENTER	MAX	17	14	36	45	44	48	29	12	15	15	11	17	26	20	32	33	23	16	26	30	43	44	38	43	33	31	29	24	33	40	35	29.1
	MIN	- 6	-21	- 4	28	28	29	8	- 5	-15	- 3	-10	-11	- 6	5	- 1	14	5	1	7	10	16	14	29	27	24	28	19	10	5	16	28	8.7
COOPERSTOWN	MAX	25	24	30	40	37	37	37	13	16	17	13	19	25	19	33	32	23	18	31	32	37	45	40	41	40	36	31	26	29	35	36	29.6
	MIN	- 5	-24	-12	21	25	25	- 3	- 6	- 8	- 2	-10	- 8	- 6	7	- 1	18	1	- 4	11	11	23	19	28	28	25	30	22	10	0	18	29	8.5
CROSBY	MAX	17	4	18	39	40	39	30	7	12	10	5	9	11	20	18	28	21	19	18	31	34	41	45	36	36	33	31	27	26	30	37	24.8
	MIN	-11	-16	- 5	1	3	22	3	- 7	- 7	- 4	-17	-12	- 9	- 4	- 2	0	- 5	- 4	4	5	17	19	24	30	29	27	20	6	6	20	20	4.9
DEVILS LAKE W B CITY	MAX	13	12	28	41	32	36	24	12	12	13	8	16	19	17	30	27	15	20	30	33	37	44	35	37	39	32	30	24	28	38	35	26.4
	MIN	-12	-20	- 2	27	25	24	- 3	- 7	- 7	- 5	-14	- 7	- 5	3	0	9	- 2	- 6	8	13	20	22	28	27	29	30	20	11	8	22	28	8.5
DICKINSON CAA	MAX	12	23	41	48	40	43	25	15	17	13	6	13	26	22	37	39	18	15	23	36	43	45	34	42	32	31	24	21	35	40	34	28.8
	MIN	- 8	- 8	15	31	31	25	2	- 4	4	- 1	-10	-10	- 5	6	9	17	7	6	5	13	18	26	28	20	23	24	19	6	9	12	18	10.6
DICKINSON EXP STATION	MAX	23	8	25	42	47	44	44	13	16	15	14	8	15	26	24	38	39	16	16	25	37	45	48	36	42	32	31	24	25	35	40	28.8
	MIN	- 2	-12	1	21	31	31	9	- 4	- 1	0	- 8	-11	- 9	0	. 6	14	7	7	8	8	17	23	29	25	24	28	21	13	7	15	21	10.2
DRAKE	MAX	29	6	24	44	59	54	52	25	17	16	15	11	24	23	25	29	32	16	23	30	29	44	48	37	43	38	37	26	25	30	39	30.6
	MIN	- 5	-19	-19	0	16	20	9	- 6	- 7	- 5	-12	-11	- 3	- 2	2	7	- 1	0	2	14	18	20	29	29	27	27	22	11	3	9	21	6.3
DUNN CENTER	MAX	22	7	21	42	45	44	42	11	17	20	18	9	16	24	22	35	31	18	17	29	37	46	48	36	42	31	32	25	35	34	39	28.9
	MIN	- 7	-20	- 3	13	29	32	8	- 5	- 2	0	-11	-12	- 5	- 6	- 1	16	6	3	5	12	14	20	31	31	27	28	21	8	10	12	21	8.9
DUNSEITH ST SANITARIUM	MAX	15	19	20	44	43	33	28	10	12	12	9	15	16	16	24	24	16	16	26	28	44	44	40	40	38	36	29	24	30	41	41	26.9
	MIN	-10	-23	- 3	11	20	26	- 3	-12	-10	-11	-18	- 5	- 9	2	- 6	12	- 4	- 5	4	10	15	15	15	27	22	27	18	7	5	22	28	5.4
ECKMAN	MAX	16	12	12	35	40	36	35	29	13	14	11	12	14	20	14	26	25	14	23	29	36	45	46	38	42	37	34	27	28	32	41	27.0
	MIN	- 9	-27	-23	- 7	25	26	8	-11	-17	-17	-23	-18	-10	-11	- 5	- 2	- 6	-10	- 3	9	12	13	17	30	25	30	22	12	10	13	21	2.4
EDGELEY EXP FARM	MAX	28	18	30	45	40	50	45	20	20	18	15	20	25	23	31	40	34	22	30	32	39	50	47	40	38	33	33	26	30	38	40	32.3
	MIN	- 2	-18	- 2	20	24	32	2	2	1	11	- 4	- 2	- 2	13	5	18	10	4	18	17	25	23	26	28	28	30	25	13	4	29	31	13.2
EDMORE 1 W	MAX	14	10	25	36	33	32	20	15	13	14	8	20	17	17	30	27	18	22	28	32	37	38	35	38	37	34	32	25	25	37	35	25.9
	MIN	- 9	-26	- 7	19	21	20	- 9	-13	- 9	-10	-16	- 9	-10	2	- 5	10	- 4	- 9	4	11	17	10	24	27	28	29	21	8	2	12	28	5.1
ELBOWOOOS	MAX	21	26	39	49	40	47	30	14	18	16	20	17	26	26	32	36	16	19	30	37	34	51	44	41	38	34	29	25	32	34	39	31.0
	MIN	-19	- 9	5	30	20	21	- 2	- 4	-11	- 6	- 2	-16	-16	- 3	- 4	14	- 4	- 3	- 1	6	9	10	22	22	18	19	14	4	10	5	19	4.8
ELLENDALE	MAX	18	22	30	47	40	53	45	16	20	29	16	23	25	24	33	43	35	21	32	31	42	49	45	44	40	35	35	27	30	42	45	33.5
	MIN	-10	-16	10	20	32	31	4	0	4	9	- 1	- 2	1	10	8	14	12	6	15	21	25	25	28	29	30	32	25	15	10	10	32	13.8
EPPING	MAX	19	23	38	43	40	35	29	12	13	11	5	12	19	18	32	27	18	18	32	35	42	47	40	41	35	32	27	27	30	42	35	28.3
	MIN	-10	-11	6	32	25	25	3	-10	- 3	- 3	-19	-12	- 8	0	4	17	- 1	2	8	15	15	23	31	30	27	26	20	7	14	18	25	9.5

See reference notes following Station Index.

Table 5-Continued

DAILY TEMPERATURES

NORTH DAKOTA
MARCH 1950

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FARGO WB AIRPORT	MAX	14	12	30	41	34	41	35	11	17	18	10	23	24	19	30	33	19	22	30	31	35	42	39	39	37	37	35	26	31	41	38	28.8
	MIN	8	-21	12	24	29	34	2	2	1	5	6	1	1	10	6	15	4	2	10	25	19	10	29	30	28	33	26	18	12	28	29	12.6
FESSENDEN	MAX	6	18	33	36	40	43	36	14	13	14	9	16	22	19	31	33	19	18	29	32	38	45	38	39	36	34	27	32	30		32	27.7
	MIN	7	-18	1	21	18	23	14	5	4	6	10	5	1	5	3	8	3	1	12	14	18	20	25	25	21	27	20	12	3		24	8.7
FORMAN	MAX	20	23	37	47	39	55	52	16	19	20	14	24	23	26	33	40	35	23	32		39	48	39	44	39	35	34	28	31	46	46	33.6
	MIN	1	-13	13	26	31	30	2	1	2	8	2	0	2	10	13	16	11	5	9		20	20	28	27	30	32	27	16	11	24	32	14.3
FORT YATES	MAX	20	18	33	50	47	45	37	14	18	17	13	19	23	24	31	44	32	21	27	31	41	45	36	41	36	33	31	23	36	38	38	31.0
	MIN	0	-17	1	27	27	33	9	3	2	9	4	9	4	11	8	15	12	9	11	18	22	18	31	29	31	29	21	15	3	21	32	13.1
FOXHOLM WILDLIFE REF	MAX	17	19	38	43	42	32	28	16	18	13	9	15	24	23	30	27	21	19	31	36	45	50	48	41	38	36	30	27	33	41	42	30.1
	MIN	8	-21	4	33	24	22	8	6	6	2	14	6	4	2	4	14	1	3	14	14	22	18	27	29	27	27	19	2	2	19	20	8.8
FULLERTON	MAX	18	21	32	45	45	53	35	20	19	19	16	22	25	26	35	42	32	22	32	33	40	50	38	43	37	34	33	25	31	44	43	32.6
	MIN	1	-17	8	21	32	31	2	0	4	7	3	1	1	3	6	14	12	6	16	20	21	25	28	29	30	31	25	15	9	24	32	13.9
GACKLE	MAX	16	16	32	42	41	47	46			14			21	21	33	37	28	27	28	32	38	47	45	36	36	32	30	24	27	39		32.1
	MIN	6	-18	6	24	30	29			10	7			6	10	5	15	7	1	15	10	23	23	28	28	28	29	21	11	0	26		12.9
GARRISON	MAX	11	17	37	45	43	46	24	14	17	16	10	16	23	20	31	33	19	18	27	32	45	47	36	39	33	32	27	25	31	39	36	28.7
	MIN	10	-15	1	31	31	23	1	5	5	4	11	9	4	5	5	4	3	2	10	15	20	23	31	26	26	27	18	8	6	19	25	9.9
GRAFTON STATE SCHOOL	MAX	16	4	25	42	42	36	36	13	16	16	12	22	19	19	27	28	20	20	29	33	39	40	38	41	39	39	39	35	27	41	40	28.8
	MIN	6	-27	6	18	12	22	4	4	9	4	15	4	6	8	1	13	1	5	6	13	23	18	24	31	29	31	25	8	0	8	24	7.2
GRAND FORKS CAA	MAX	11	4	27	44	33	39	31	10	15	15	9	20	21	18	30	33	15	17	30	32	33	43	40	37	39	35	31	25	29	39	34	27.1
	MIN	15	-25	3	21	24	28	3	5	11	6	13	6	5	5	1	10	2	7	7	18	20	18	26	29	25	31	24	7	2	16	15	7.2
GRAND FORKS UNIVERSITY	MAX	8	4	27	43	33	39	30	10	14	17	9	21	20	18	29	30	17	33	30	31	35	40	40	37	40	36	32	26	28	39	35	27.5
	MIN	16	-24	3	20	25	27	4	2	11	5	12	5	4	9	0	14	3	5	10	20	20	20	25	28	27	32	25	11	2	11	17	8.2
GRANVILLE	MAX	16	17	35	46	40	37	28	14	16	14	10	16	25	20	27	26	19	16	30	35	46	52	41	42	38	35	31	29	33	41	39	29.5
	MIN	8	-22	3	18	25	25	3	8	10	6	17	10	6	2	4	13	2	6	8	14	17	20	28	28	25	28	20	8	4	16	22	6.8
GRENORA	MAX	10	36	38	40	39	33	27	12	13	11	10	17	16	14	28	23	13	18	31	37	39	44	36	37	33	34	31	27	39	37	38	27.8
	MIN	11	7	5	30	26	24	10	10	12	18	18	12	9	4	0	11	5	1	10	15	11	22	30	33	27	27	19	6	19	22	24	7.9
HANKINSON R R STATION	MAX	21	9	17	34	50	37	51	25	8	15	19	10	24	23	23	31	37	22	24	33	30	35	50	37	43	34	37	32	34	34	43	29.7
	MIN	8	-15	14	11	11	30	11	0	3	4	2	4	2	4	7	6	13	4	4	11	22	20	25	31	29	31	29	20	16	13	30	11.4
HANNAH	MAX	11	10	25	39	36	33	24	10	13				18	15	27	27	12	20	27	32	40	40	39	36	37	31	30	29	29	43	39	27.6
	MIN	10	-25	6	22	19	20	7	13	17				20	0	10	7	7	10	0	11	11	10						6	2	11	29	1.0
HETTINGER	MAX																40	44	19	23	29	47	38	41	37	40	36	31	30	29	35	53	
	MIN																19	11	10	3	14	9	6	15	19	21	29	21	16	11	11	20	
HILLSBORO	MAX	15	5	29	44	39	39	36	9	17	19	10	14	23	21	30	34	19	20	29	30	38	42	39	39	34	32	31	28	30	36	34	27.9
	MIN	5	-24	0	19	25	25	0	5	5	3	9	2	6	10	2	19	4	2	8	16	21	17	23	27	30	30	27	12	8	24	26	10.4
JAMESTOWN CAA	MAX	15	18	31	42	39	44	32	14	20	18	11	19	23	20	33	35	20	22	32	33	39	49	34	42	34	33	31	25	27	35	36	29.2
	MIN	10	-19	7	21	29	29	1	2	2	5	5	4	1	7	4	15	6	3	14	18	23	23	28	28	27	31	24	9	3	22	27	11.7
JAMESTOWN STATE HOSP	MAX	15	18	32	44	40	45	38	14	18	16	11	19	24	20	34	37	22	23	31	33	39	50	40	41	35	35	31	26	30	38	38	30.2
	MIN	2	-21	9	22	32	29	1	1	1	7	5	3	1	9	6	17	8	3	14	18	25	24	29	29	28	31	24	12	4	22	32	13.0
KENMARE	MAX	17	6	20	40	47	47	32	12	16	18	14	12	12	22	20	32	24	20	18	29	36	48	49	43	42	35	30	27	29	35	41	28.2
	MIN	10	-16	8	0	30	27	6	7	6	3	16	12	6	3	0	2	5	4	1	15	20	25	29	30	27	27	20	3	7	15	23	6.8
KENSAL WILDLIFE REFUGE	MAX	15	16	30	42	34	38	36	13	15	16	13	14	20	18	31	33	23	17	30	33	39	47	41	37	34	36	32	28	28	35	35	28.4
	MIN	5	-24	2	30	18	30	2	6	6	0	10	6	5	7	2	12	3	5	9	12	19	20	20	26	28	27	26	10	2	16	22	8.5
LA MOURE	MAX	19	21	31	46	41	53	49	16	20	18	15	22	25	23	33	40	32	25	33	31	40	51	45	43	35	34	26	31	29	45	40	32.6
	MIN	0	-19	12	22	30	31	4	0	0	8	5	2	1	12	7	11	10	4	16	21	24	22	32	30	32	25	20	7	17	25	33	13.8
LANGDON EXP FARM	MAX	11	7	25	38	35	33	29	10	12	11	9	16	17	15	25	23	15	21	26	30	42	45	38	37	35	33	30	26	28	40	45	26.0
	MIN	11	-26	8	19	18	19	5	15	16	11	22	12	14	4	9	6	8	12	4	12	16	12	24	23	26	28	20	3	3	11	22	3.1
LARIMORE	MAX	19	6	35	44	38	35	34	13	12	16	17	15	22	21				16	30	31	37	44	47	41	37	35	34	27	29	42	34	29.0
	MIN	7	-21	6	19	24	24	15	11	7	1	11	3	3	8				3	8	24	25	20	24	31	25	30	24	9	1	13	27	9.1
LEEDS	MAX	25	14	30	40	35	32	32	14	14	14	8	12	22	18	35	27	15	22	31	32	40	47	39	41	36	30	26	28	31	42	36	28.0
	MIN	6	-24	7	23	25	24	2	6	9	5	16	8	7	2	2	12	2	6	6	11	19	21	27	26	29	22	11	8	1	22	30	7.1
LINTON	MAX	19	13	23	48	45	41	37	15	20	20	13	20	22	23	32	42	32	21	28	31	41	43	38	42	36	33	31	22	36	40	38	30.5
	MIN	1	-23	2	18	35	23	9	7	1	8	5	11	10	7	2	17	12	7	10	15	21	20	32	30	32	31	22	16	2	25	31	11.9
LISBON	MAX	23	4	22	35	46	37	48	17	15	21	19	14	24	25	23	32	38	24	24	32	31	39	50	36	42	36	37	33	23	31	42	29.8
	MIN	3	-21	17	9	31	30	9	0	1	4	2	2	1	5	6	13	11	5	7	22	23	23	26	29	29	29	31	16	10	16	30	12.2
MADDOCK AGR SCHOOL	MAX	12	12	30	40	35	38	34	12	14	16	9	16	21	18	33	30	18	20	30	32	37	45	37	40	37	34	30	27	30	38	34	27.7
	MIN	6	-26	2	19	25	26	0	8	9	4	13	8	5	3	2	13	0	5	10	13	17	21	28	23	25	30	21	12	0	17	29	7.9
MANDAN EXP STATION	MAX	21	6	12	40	47	44	47	11	13	15	15	5	17	24	20	32	41	18	19	27	28	42	45	32	39	32	32	24	20	32	37	27.0
	MIN	2	-17	10	5	33	32	10	2	0	5	7	9	4	4	4	12	8	4	7	12	19	18	28	30	26	31	23	15	1	11	26	10.1
MANDAN FT LINCOLN PARK	MAX	20	14	36	49	47	49	36	16	18	20	12	20	24	25	34	44	28	19	29	27	45	47	40	45	36	33	30	24	36	38	38	31.6
	MIN	2	-19	2	28	32	34	10	4	0	6	6	7	3	10	4	15	9	6	9	13	20	20	30	30	25	29	21	15	1	23	31	12.3
MARMARTH	MAX	20	39	45	54	46	40	28	18	15	16	10	11	27	24	40	42	30	15		38	39	42	45	38	32	32	29	31	38	38	38	32.0
	MIN	5	5	15	33	33	28	10	5	5	2	6	18	14	1	13	23	13	12	5	5	6	18	30	22	25	27	21	17	23	23	30	12.4
MAX	MAX	19	7	17	37	46	41	41	13	13	16	14	11	17	23	19	31	31	21	21	27	32	44	48	35	37	33	31	27	23	32	40	27.3
	MIN	6	-15	12	5	29	30	11	8	8	3	13	11	6	4	3	8	2	0	2	13	15	21	22	30	26	28	21	12	3	11	21	7.3
MAYVILLE	MAX	17	9	28	45	38	40	37	11	17	18	15	22	21	20	31	33	22	19	30	31	38	44	41	37	37	35	33	27	28	39	33	28.9
	MIN	3	-23	3	20	29	26	0	4	7	2	8	3	8	10	2	20	5	3	9	8	24	20	27	29	27	32	26	12	6	21	31	10.6
MC CLUSKY	MAX	17	18	31	41	39	45	36	13	15	15	10	17	21	20	30	33	21	18	29	29	43	42	36	41	34	32	29	23	27	38	35	28.3
	MIN	5	-17	3	25	31	30	4	7	5	2	10	9	5	5	3	14	2	1	9	13	18	18	22	26	20	29	20	12	2	16	21	8.6
MC HENRY 5 N	MAX	13	11	28	38	34	37	34	11	13	14	10	16	19	18	30	29	18	18	29	31	37	41	36	38	36	33	30	24	26	34	35	26.5
	MIN	6	-24	0	19	23	24	3	8	9	5	12	10	10	5	3	13	0	7	6	12	20	21	26	28	26	29	22	9	1	15	27	7.3
MC LEOD 3 E	MAX	14	15	32	45	40	47	40	22	22	20	18	20	21	23	31	37	34	27	31	30	40	49	46	43	39	36	34	36	33	45	43	32.7
	MIN	3	-23	10	23	30	27	2	3	0	8	4	3	5	7	6	16	11	4	14	23	23	17	23	26	26	30	18	20	10	30	30	13 3
MEDORA T R N M P	MAX	22	34	49	57	45	43	29	22	19	15	13	16	28	26	41	42	26	18	30	41	47	50	43	40	36	33	31	31	39	43	39	33 8
	MIN	2	-12	18	34	28	28	9	5	5	0	7	17	11	10	7	19	10	9	7	13	11	20	31	30	28	30	22	15	18	13	28	12 7
MINOT CAA	MAX	12	16	37	43	40	35	23	13	15	12	8	13	22	17	29	28	15	18	29	35	44	48	37	38	35	32	26	25	31	40	35	27.5
	MIN	12	-15	1	33	29	23	0	5	5	6	15	5	5	3	3	12	0	2	9	16	20	25	30	30	30	26	19	6	5	20	21	9.4
MINOT EXP FARM	MAX	16	18	33	43	42	37	27	12	14	13	9	15	22	19	28	29	19	18	28	35	44	48	38	39	37	34	29	25	30	38	36	28.2
	MIN	8	-17	1	28	26	25	5	7	7	5	16	9	5	2	0	17	1	5	8	15	19	24	28	29	26	28	19	7	0		17	7.9

See reference notes following Station Index

Table 5-Continued

DAILY TEMPERATURES

NORTH DAKOTA
MARCH 1850

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MOHALL	MAX	14	11	30	41	38	32	21	12	12	12	7	14	22	18	28	23	17	17	29	34	45	48	39	39	38	33	28	27	33	41	37	27.0
	MIN	-10	-19	- 6	20	26	21	4	- 9	-10	- 6	-18	- 8	- 8	- 2	- 3	15	- 4	- 7	6	15	21	21	30	29	27	28	18	7	11	22	25	7.6
MOTT	MAX	21	15	42	47	40	43	36	19	15	14	10	16	27	24	40	42	30	15	22	30	40	41	36	42	35	32	27	23	39	41	37	30.4
	MIN	1	-18	12	32	28	32	10	- 4	5	4	- 7	-15	-11	0	6	21	9	8	5	8	7	25	29	16	26	27	21	15	2	18	28	11.0
MUNICH 4 SW	MAX	12	7	23	37	35	32	30	11	14	12	8	15	15	14	26	26	13	19	25	29	36	36	34	34	33	32	29	23	26	38	34	24.5
	MIN	- 9	-26	- 7	17	9	21	- 5	-10	-14	-11	-18	-10	-12	2	- 4	11	- 5	- 8	7	13	18	18	26	28	28	29	20	8	8	22	28	5.6
NAPOLEON 1 SE	MAX	17	15	29	42	40	41	35	11	16	15	10	18	20	19	32	38	24	19	29	33	37	43	35	42	32	32	30	22	32	36	35	28.3
	MIN	- 5	-23	3	23	31	31	3	- 7	- 4	5	- 8	-10	- 7	11	2	13	8	2	8	14	23	21	28	27	27	30	21	11	- 4	26	31	10.7
NEW ENGLAND	MAX	20	24	45	50	41	43	30	19	17	15	10	14	25	25	39	42	29	16	21	39	42	42	36	45	34	32	28	23	35	38	35	30.8
	MIN	1	-15	9	34	31	30	8	- 3	9	- 1	- 9	-12	- 8	3	7	22	8	9	1	10	10	24	25	18	25	28	20	9	9	11	28	11.0
NEW SALEM 1 S	MAX	15	10	35	45	41	46	31	14	15	10	8	15	27	22	34	40	22	10	22	28	45	42	34	40	32	32	30	22	33	35	34	28.0
	MIN	- 6	-13	3	19	32	30	5	- 5	- 2	- 2	-10	-13	- 8	8	- 3	5	10	3	8	7	15	27	28	30	26	28	20	8	8	22	28	10.0
OAKES	MAX	23	5	25	37	48	39	58	19	18	27	19	5	25	26	25	35	41	24	22	34	32	40	50	36	45	35	34	31	24	32	48	31.0
	MIN	2	-17	-15	11	29	30	16	0	1	6	- 1	- 1	2	3	8	12	12	5	6	20	25	21	25	28	29	30	30	16	11	13	29	12.5
PARK RIVER	MAX	17	7	25	42	41	36	35	10	15	15	10	20	17	19	29	28	17	20	27	32	42	43	43	40	45	36	32	28	30	38	38	28.3
	MIN	- 5	-22	-12	18	20	22	- 3	- 5	- 9	- 4	-14	- 3	- 4	8	- 1	15	4	- 3	8	11	21	23	25	31	29	31	25	9	0	15	27	8.3
PARSHALL	MAX	18	16	38	43	40	35	26	13	16	13	10	15	24	21	31	30	20	18	28	35	47	48	38	39	35	33	28	25	31	41	37	28.8
	MIN	- 8	-18	0	32	25	22	4	- 6	- 6	- 7	-13	- 9	- 9	4	2	20	2	- 2	8	14	16	20	32	31	28	28	21	11	7	18	27	8.5
PEMBINA CAA	MAX	8	4	24	42	36	36	26	7	15	10	10	20	18	15	24	24	11	19	26	31	40	35	40	34	38	36	30	20	25	37	35	25.0
	MIN	-17	-31	- 9	20	14	21	- 7	-10	-19	-11	-19	-10	-12	0	-12	5	- 5	-14	- 3	12	19	8	17	28	27	30	18	1	- 7	3	21	1.8
PETTIBONE	MAX	17	18	29	45	45	44	38	11	15	16	10	18	20	20	33	35	23	22	32	34	45	43	37	41	35	32	31	25	30	40	38	29.8
	MIN	- 7	-21	4	20	28	29	0	- 6	- 6	0	-10	-13	- 7	7	0	10	4	- 4	10	10	20	18	28	28	25	30	25	10	- 1	21	31	9.1
PORTAL	MAX	14	0	20	37	37	40	30	8	10	10	6	5	10	20	12	24	24	15	18	24	33	41	46	39	37	34					38	23.4
	MIN	-14	-17	- 2	5	24	26	2	-15	-13	- 8	-22	-15	-12	- 5	- 3	4	- 8	- 4	2	11	19	23	29	28	28	28	8					3.5
RICHARDTON ASSEY	MAX	19	18	40	51	44	45	30	15	14	13	10	17	25	23	37	39	25	17	25	35	45	45	38	42	34	30	27	22	37	39	36	30.2
	MIN	- 3	-11	8	33	30	29	7	- 4	2	4	-10	-10	- 4	9	7	20	6	5	6	12	17	24	28	28	25	27	20	11	6	18	28	11.8
RIVERDALE	MAX	6	15	33	42	41	48	36	14	15	16	13	18	23	23	31	34	18	17	27	31	45	47	45	41	35	33	32	23	30	36	37	29.1
	MIN	- 5	-15	2	28	33	31	6	- 9	- 3	2	- 9	- 7	- 3	2	7	18	4	0	10	15	20	24	32	30	23	28	21	12	5	18	22	11.0
ROLLA	MAX	13	10	22	45	38	32	29	12	15	11	11	19	15	17	27	21	14	20	25	27	41	40	37	36	34	30	28	24	29	40	34	25.7
	MIN	- 9	-16	- 4	18	20	22	- 4	- 9	-13	- 6	-15	-11	- 6	2	- 3	10	- 5	- 2	7	13	20	25	27	27	25	28	19	8	10	22	30	7.4
RUGBY	MAX	16	13	27	35	43	37	34	11	13	14	13	16	20	20	30	27	20	18	29	29	40	43	42	40	40	39	30	25	29	41	40	28.2
	MIN	- 6	-22	- 2	22	21	20	2	-10	-10	0	-17	-10	- 8	2	- 1	14	- 4	- 2	9	13	18	18	29	20	30	30	20	10	10	22	31	8.0
SANISH	MAX	19	17	41	41	45	40	37	13	14	12	13	13	14	19	30	34	29	17	19	30	37	46	45	40	37	35	34	25	27	32	42	28.9
	MIN	-17	1	0	36	24	24	11	- 7	- 7	- 5	-13	-13	-10	-10	3	15	5	2	3	8	15	15	24	31	27	22	22	10	10	14	16	8.3
SHARON	MAX	5	15	28	39	34	36	33	15	15	18	8	19	20	18	30	32	25	18	29	30	39	42	37	40	36	33	30	26	28	34	32	27.2
	MIN	- 5	-22	0	21	25	24	- 2	- 6	- 7	- 2	-10	- 9	- 2	6	0	25	0	- 3	9	16	23	21	27	29	25	30	23	9	3	18	29	8.5
STANLEY	MAX	13	15		41	40	33	25	11	13	11	13	11	21	16	29	25	12	18	27	33	42	48	39	36	32	31	24	22	30	41	35	28.2
	MIN	-18	-22		23	20	19	- 7	-13	-12	-12	-23	-13	-12	- 5	- 4	6	- 6	- 8	3	5	14	18	26	23	22	18	12	2	4	12	19	3.1
STEELE	MAX	17	17	30	44	42	44	34	16	11	23	10	18	21	20	32	38	23	33	38	35	39	45	35	46	34	33	30	24	31	40	35	30.3
	MIN	- 6	-24	0	18	28	28	2	- 4	- 7	8	-10	-14	- 9	6	- 1	8	5	8	1	9	19	28	27	26	24	27	19	11	- 4	28	31	9.0
TOWNER	MAX	0	14	31	42	37	39	29	14	15	5	11	17	11	15	29	17	19	17	31	30	42	48	47	42	41	32	32	33	32	40	40	27.4
	MIN	- 6	-19	0	0	20	25	2	-10	- 8	-12	-18	- 6	-11	- 3	10	12	-11	- 2	8	15	18	17	27	31	15	29	27	20	15	27	20	7.4
TURTLE LAKE	MAX	28	18	34	44	41	46	30	18	16	16	10	17	23	20	30	33	18	20	28	27	44	44	38	34	33	31	25	30			39	28.8
	MIN	-11	-19	2	26	30	21	5	- 8	- 6	- 1	-10	- 8	- 5	3	2	14	3	0	9	14	16	23	25	20	28	20	20	12			18	8.4
UNDERWOOD 12 W	MAX	23	15	37	47	35	48	35	17	17	16	10	19	25	22	34	34	28	18	30	32	45	48	37	42	32	33	31	24	33	42	37	30.5
	MIN	- 6	-13	- 2	32	31	32	9	2	3	- 2	- 9	- 7	- 4	10	4	16	4	2	11	16	11	21	31	30	29	29	21	13	- 1	17	28	11.8
UPHAM WILDLIFE REFUGE	MAX	15	13	26	44	40	36	30	18	20	18	12	18	23	23	28	28	20	21	28	39	46	46		44	40	34	31	31	33	43		28.2
	MIN	-10	-28	- 7	14	20	27	3	-10	-15	- 8	-18	-12	-12	0	- 7	10	- 8	-10	6	12	15	12		25	22	29	21	12	12	20		4.0
VALLEY CITY	MAX	18	16	33	48	43	44	43	14	19	18	16	22	24	23	34	37	27	22	31	32	38	50	47	42	40	38	34	27	30	41	40	31.8
	MIN	- 3	-20	6	21	31	31	0	- 5	1	8	- 6	0	0	11	5	22	4	3	14	21	25	24	29	25	25	32	25	11	8	25	31	13.0
VAN HOOK	MAX	18	18	39	43	40	38	27	14	17	15	9	15	25	23	32	30	18	19	29	36	47	49	41	38	37	33	28	25	32	41	37	29.4
	MIN	- 8	-17	- 2	30	29	26	6	- 8	- 6	- 1	-12	- 9	- 7	4	4	18	4	0	8	13	16	20	32	32	32	28	21	10	11	18	28	10.3
VELVA	MAX	18	18	36	45	41	41	30	14	17	13	11	17	26	24	29	31	19	19	30	35	45	50	40	40	38	34	30	27	32	40	38	29.9
	MIN	- 6	-20	- 1	31	29	29	7	- 5	- 7	- 4	-13	- 4	- 2	5	0	17	1	- 3	13	18	20	20	30	30	26	30	22	11	3	17	24	10.3
WAHPETON STATE SCHOOL	MAX	18	13	33	45	44	48	47	12	18	19	17	25	24	29	31	34	34	23	32	31	34	46	48	40	40	37	37	30	32	41	44	32.4
	MIN	- 2	-18	10	25	32	31	0	- 2	0	9	- 3	1	2	11	8	19	10	2	14	24	25	10	31	31	29	32	28	19	13	28	32	14.5
WASHBURN	MAX	20	15	35	48	42	49	38	17	19	17	13	20	25	23	34	37	24	18	28	28	48	46	42	41	33	33	30	23	33	39	38	30.7
	MIN	- 3	-13	4	29	32	33	8	- 3	0	4	- 8	- 5	- 1	8	7	18	6	2	11	15	19	21	32	31	21	29	21	12	3	20	30	12.4
WATFORD CITY	MAX	17	29	41	44	47	44	26	15	17	12	10	14	26	23	32	30	22	20	32	35	47	50	42	40	35	32	28	28	34	45	37	30.8
	MIN	- 8	-11	6	32	31	25	4	- 6	- 1	- 2	-12	-11	- 5	3	4	17	4	3	7	13	13	21	32	32	28	28	21	4	12	16	25	10.4
WESTHOPE	MAX	14	10	22	40	36	35	27	15	16	10	11	17	22	16	27	17	19	19	28	33	45	42	38	42	40	35	28	30	34	43	39	27.4
	MIN	-10	-25	- 4	10	20	24	2	-15	-16	-12	-22	-15	-12	- 4	- 4	2	- 8	- 8	7	16	14	18	29	29	23	25	20	10	18	24	26	5.3
WILLISTON WB CITY	MAX	10	27	42	44	42	37	23	13	15	8	5	12	22	21	30	2	- 6															
	MIN	- 8	-11	5	33	32	23	- 1	- 5	- 3	- 8	-13	- 9	- 5	3	5	27	16	19	32	37	44	50	38	38	34	32	27	24	33	41	37	28.4
																	12	1	3	10	18	19	25	33	32	29	25	19	7	18	19	28	10.8
WILLOW CITY	MAX	15	11	23	40	35	34	27	14	16	14	10	16	21	17	29	24	19	17	29	31	40	43	38	43	38	35	31	27	33	45	49	27.9
	MIN	- 5	-29	- 8	12	18	25	1	-10	-12	- 8	-18	-11	- 8	0	- 7	8	1	- 7	7	13	18	13	25	28	25	30	22	12	13	24	28	8.4
WILTON RR STATION	MAX		12	30	39	43	34	44	11	12	15	17	8	17	20	19	30	35	16		25	28	41	41	35	38		32	23	18	30	36	26.8
	MIN	- 7	-19	2	2	30	29	11	- 7	- 6	- 2	-11	-10	- 4	- 3	1	5	3	- 2			14	16	19	27	22		20	11	0	8	23	5.8
WISHEK	MAX	20	8	16	39	43	42	45	9	13	17	16		24	21		32	41	32		29	33	39	48	36	39		33	26	20	32	40	29.4
	MIN	0	-20	-11	10	30	31	7	- 5	- 3	5	- 5		- 4	- 8		12		4		6	21	19	26	29	27		25	13	0	15	29	9.8

See reference notes following Station Index.

Table 7

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
MARCH 1950

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Amenia	SNOWFALL	1.0															T				T	2.0		2.0	2.0			4.0				1.0
	SN ON GND	12	12	11	5	4	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	1	T	T	T	2	2	2	T	1
Beach	SNOWFALL							1.1		T	0.5	T					T	1.5	1.0					0.5		0.5	2.0	2.0	T			
	SN ON GND	2	1	T	T	T	T	1	1	1	1	1	1	1	1	1	1	2	3	3	2	T	T	T	T	1	2	4	4	3	2	1
Bismarck WB Airport	SNOWFALL					T	T	2		T	T	T		T	T		T	T	2	2	1.9			8.8	0.4	1.8	11.9	4.2	0.1	T		T
	SN ON GND	11	11	10	7	5	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4	2	1	6	4	4	9	16	16	15	13	10
Carson 2 SW	SNOWFALL						T	1.0		T	T	T						0.5	T	T	2.0			7.0			9.0	3.0	2.0			
	SN ON GND	28	28	26	22	18	14	15	15	15	15	15	15	15	15	14	11	12	12	12	14	13	10	17	17	17	26	29	31	29	27	25
Center	SNOWFALL	T					T	1.0			T						1.0			T	2.0			*	9.0	T	8.0	6.0	T			T
	SN ON GND	14	14	12	7	4	3	4	4	4	4	4	4	3	3	3	2	2	2	2	4	2	-	6	5	4	12	18	18	17	16	15
Crosby	SNOWFALL	T						T			T			T			0.5	T							T		0.5	2.0				T
	SN ON GND	15	15	14	12	11	10	10	10	10	10	10	10	10	9	9	9	8	8	8	6	4	2	T	T	T	1	2	2	2	1	T
Devils Lake WB City	SNOWFALL	0.1	T	T			T	0.8	T	T	T	T	T	T	T	T	0.4		T		2.2	T		1.9	T	T	4.0	2.2			T	1.2
	SN ON GND	17	17	17	14	13	11	12	12	12	12	11	11	11	10	8	8	8	7	7	9	6	4	6	3	2	6	8	7	4	2	3
Dickinson CAA AP	SNOWFALL	T				T	4	2		3	2	T			T	T	0.6	0.5	0.4	T	0.1			5.9		1.0	2.3	1.4	0.6	T		
	SN ON GND	7	7	5	3	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	1	1	T	5	4	5	7	8	9	9	9	8
Dunn Center	SNOWFALL							1.0			T							T						T	1.5		4.0	10.0	2.5			
	SN ON GND	10	10	10	10	8	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	5	3	2	1	5	15	18	16	14	12
Edgeley Exp. Farm	SNOWFALL									T	T						T					2.0		0.8	0.2						
	SN ON GND																															
Ellendale	SNOWFALL							T			T					T	T				T	1.0		T	0.5	0.8	2.5	1.0	1.5			
	SN ON GND	13	12	12	10	8	6	6	6	6	6	6	6	5	5	4	2	2	2	1	1	2	1	1	1	1	2	2	1	1	1	1
Fargo WB Airport	SNOWFALL	1.3	T					2.4	T		T	T			T		0.4	T			2.0	0.8		T	T	T	T	2.1	T	T	T	1.2
	SN ON GND	13	13	12	9	8	7	8	8	8	8	8	8	7	7	7	7	7	6	5	5	7	5	4	4	3	T	2	2	2	2	2
Fessenden	SNOWFALL																									*	12.0					
	SN ON GND																										-	-	-	-	-	8
Forman	SNOWFALL							T	1.2								T	0.4				1.1		T	1.2	2.7		0.8	0.4			
	SN ON GND																															
Fort Yates	SNOWFALL							1.0			T							0.3			0.3	0.3		0.1		T	5.0	5.0	T			
	SN ON GND	26	26	26	23	18	12	13	13	13	13	13	13	13	13	12	10	10	10	10	11	8	6	6	5	5	10	15	15	15	12	7
Grafton State School	SNOWFALL	T						0.5							T		1.4					T					1.5	6.5				2.0
	SN ON GND	19	19	19	10	9	5	6	6	6	6	5	5	5	5	5	6	5	-	-	-	-	-	-	-	-	-	-	8	8	8	10
Grand Forks CAA AP	SNOWFALL	1.5					T	0.9	T	T	T			T	T		0.6				0.7	0.5				T	2.9	1.1	T			1.6
	SN ON GND	11	11	11	9	8	6	7	7	7	7	7	7	7	6	6	7	6	6	6	5	6	5	5	3	3	3	7	7	7	5	6
Hettinger	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	2.5								2.5	1.4	8.7	1.2	1.1		
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5	-	-	-	-	-	-	-
Jamestown CAA AP	SNOWFALL	1.0						0.5			T	T	T	T	T		T	T			0.4	0.3		1.6		2.5	2.8	6.7	2.2	T		0.2
	SN ON GND	19	19	18	14	9	4	4	4	4	4	4	3	2	2	1	1	1	1	1	1	1	1	2	1	1	2	8	11	11	8	3
Langdon Exp. Farm	SNOWFALL	0.6						3.5									1.5					0.5					2.0	10.0	0.4			3.5
	SN ON GND	-	-	32	-	-	-	-	-	-	20	-	-	-	-	-	-	20	-	-	-	-	-	-	14	-	-	-	-	-	-	18
Linton	SNOWFALL							0.3			T													1.0			3.0	1.5	0.3			
	SN ON GND	18	18	18	14	10	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	5	5	8	10	10	9	6	5
Lisbon	SNOWFALL	T	T																								1.5	5.0		0.1		
	SN ON GND																															
Marmarth	SNOWFALL						T	0.6		T	T	3.0						2.5	0.1		1.5			4.0				5.0	1.0			
	SN ON GND	5	-	-			T	T	T	T	T	3				T	T	3			3	2	T	3	2	2	6	11	12	7	5	4
Mayville	SNOWFALL	T						1.8			T				T		0.2					1.4		T	2.4		3.5	2.8	1.2			1.2
	SN ON GND	16	16	16	14	12	10	12	12	12	11	11	10	10	9	8	8	8	8	7	7	8	7	7	8	7	10	12	13	12	10	11
McClusky	SNOWFALL							2.0										0.3			T			4.0	T	0.2	12.0	6.0	1.5			
	SN ON GND							2										T			T			4	T	T	9	3	1			
McHenry 5 N	SNOWFALL	T						T			T						T					1.0		T	T		1.0	3.0	1.0			T
	SN ON GND	25	25	25	23	22	20	20	20	20	20	20	20	20	20	19	19	19	19	19	18	16	14	13	12	10	11	14	15	15	15	14
Medora TRNMP	SNOWFALL							1.0			0.5	T						1.0	0.6					3.0		T	3.0	2.5	T			
	SN ON GND	3	3	2	1			1	1	1	2	2	2	1	1	1	1	2	3	2	2	1				T	3	6	6	4	3	1
Minot CAA AP	SNOWFALL	0.1					0.3	0.2			T		T	T			0.2	T		T				T	0.1	0.6	6.8	7.7	0.4	T	T	0.2
	SN ON GND	8	8	8	5	4	3	4	3	2	2	2	2	1	1	1	1	1	1	1	1	1	T	T	T	T	4	14	15	14	11	10
Monail	SNOWFALL						T	0.2			T						0.6								T		3.0	3.0				
	SN ON GND	17	-	-	14	12	12	13	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	4	4	7	10	-	-	-	8
Mott	SNOWFALL							0.5		T	T							0.5	2.0		2.1			5.4		*	*	9.3				
	SN ON GND	13	13	11	9	7	5	6	6	6	6	6	6	6	6	5	4	4	6	6	8	6	5	10	7	-	-	16	16	16	14	13
Napoleon 1 SE	SNOWFALL	T									T				T			T				0.8		3.0	4.0	2.0	3.0	4.0	1.0			T
	SN ON GND	25	24	22	17	12	8	8	8	7	6	6	6	6	6	6	5	5	5	5	5	4	3	6	5	6	9	13	14	14	10	7
Parshall	SNOWFALL							0.5										0.5						T	T		2.5	2.5	0.5			
	SN ON GND	17	17	15	10	7	5	6	6	6	6	6	6	5	5	5	5	6	6	6	4	1	T	T	T	T	3	5	6	5	2	
Pembina CAA AP	SNOWFALL	0.5					T	1.6			T		T	T	0.3	T	2.8				0.2	0.1					1.9	1.2				0.4
	SN ON GND	20	20	20	19	18	16	17	17	17	17	17	17	16	16	16	18	18	18	17	16	13	11	9	9	7	6	9	9	9	8	8
Pettibone	SNOWFALL	T						1.0										0.2				0.7		4.0		0.5	*	15.5	2.0			
	SN ON GND	27	27	26	18	14	10	10	10	10	10	10	10	10	9	8	8	8	8	8	7	6	5	6	5	5	-	20	22	22	19	17
Portal	SNOWFALL							1.0									T	T							T							T
	SN ON GND																															
Richardton Abbey	SNOWFALL							2.4		T	T						T	0.8	T	T	0.5			10.0		1.0	5.0	10.1	1.1	T		
	SN ON GND	9	9	7	2	1	1	3	3	3	3	3	3	3	3	2	2	3	3	3	3	2	1	10	8	9	14	20	21	20	18	17
Rolla	SNOWFALL	T					T	T						T	T		1.4										1.5	2.0				1.5
	SN ON GND	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	22	23	23	23	23	24
Rugby	SNOWFALL						1.0										T				T						4.0	1.[illegible]				T
	SN ON GND																										4	1				
Sharon	SNOWFALL	1.0						T									1.5					1.0					2.0	8.0				1.0
	SN ON GND	29	29	29	20	21	20	20	20	20	20	15	15	15	15	15	-	-	10	11	11	11	8	7	5	5	7	13	14	13	12	11

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Stanley	SNOWFALL							2.0							T												2.5	3.5				
	SN ON GND	10	10	10	8	8	7	8	8	8	8	8	8	7	7	6	6	6	6	6	6	4	3	3	3	3	5	7	7	6	4	4
Steele	SNOWFALL	0.5						0.5		T								0.3			T	1.0		6.0	1.0	1.3	7.0	4.0	1.5			T
	SN ON GND	20	20	18	13	10	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	5	4	10	7	9	16	20	22	22	19	15
Upham Wildlife Refuge	SNOWFALL						T	T		T	T		T		T		T									T	0.7	T				T
	SN ON GND																															
Velva	SNOWFALL						T	0.5			T						T	0.3						T	2.0	T	1.0	5.0	0.5			T
	SN ON GND	13	13	11	8	6	5	6	6	6	6	6	6	5	5	5	5	5	5	4	4	3	2	2	4	3	4	9	10	9	7	8
Wahpeton State School	SNOWFALL	0.5						*	2.5								T	T				2.0			T			2.5	T			T
	SN ON GND	8	8	7	5	4	3		6	5	5	5	5	5	4	4	3	3	3	3	2	3	2	1	1	1	1	3	3	2	1	1
Watford City	SNOWFALL							1.3										0.8								1.0	3.0	9.0	0.2			
	SN ON GND	-	-	5	-	-	-	-	-	-	4	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	3	11	10	9	8	7
Williston WB City	SNOWFALL	T		T			1.4	T		T	T		T		T		0.4	0.1						0.3	T	1.5	3.9	4.2	T	T		T
	SN ON GND	8	8	6	5	3	3	4	4	4	4	4	4	3	3	3	3	3	3	3	2	1	1	T	T	2	3	10	9	8	7	6

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the postoffice.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1946.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830.

- \- No record in Tables 3, 4, 8, 7 and the Station Index. No record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
- \+ And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
- B Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.
- SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual; $1.50 per year. (Yearly subscription includes the Annual Summary.) Checks, postal notes and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Weather Records Processing Center, 611 Fidelity Building, Kansas City 6, Missouri.

W.B.O., Kansas City, Mo. -- 5-15-50 -- 1100

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time Temp.	Observation time Precip.	Observer	Refer to tables
ADAMS 7 3	0022	WALSH	10	48 20	98 08			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALMOTT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	OGGAN RAWSLAND	2 3 5 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	B A DUNN	3
AMENIA	0198	CASS	11	47 00	97 13	960	6S	6S	VIRGIL L GEBEKE	2 3 5 7
AMIDON	0209	SLOPE	1	46 30	105 19	2910	5P	5P	TOFIELD ZUNDEL	2 3 4 5
ARVILLA STATE PARK	0389	GRAND FORKS	10	47 56	97 30	980	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0582	MC INTOSH	9	46 02	99 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 Y
BALDHILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	6A	F A JOHNSON	2 3 5
BALFOUR	0492	MC HENRY	12	47 57	100 32	1515		MID	RAYMOND E MELLER	3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F BODGIN	2 3 4 5 7
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	99 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0859	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	6	47 16	101 47	1760		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	89 22	1600	6P	6P	ROBERT J KRICK	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1870	10A	10A	O S WEATHER BUREAU	2 3 5
BISMARCK WS AIRPORT	0819	BURLEIGH	6	46 46	100 45	1650	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	CLOSED
BOWBELLS RR STATION	0961	BOWEN	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0985	BOWMAN	3	46 11	103 28	2672	5P	5P	O H HOOK	2 3 4 5
BOWBEN	1052	MORTON	1	46 24	100 57	1720		MID	FRANK E POTTER	6 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 06	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1365	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	46 25	101 35	2500	7P	7P	J W EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	46 48	97 38	884	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5 7
COLGATE	1688	STEELE	10	47 14	97 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	R J LOCENER	2 3 5
COURTENAY	1616	STUTSMAN	5	47 18	98 34	1523		8P	G S HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1854	7A	7A	VERNON V WICBOLS	2 3 5 7
DAWSON	2018	WIDDER	8	46 52	99 45	1730		MID	LOUIS J BILLINGTON	3 4 5
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	O S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R BOMMARS	2 3 5 7
DUNSKITE ST SANITARIUM	2585	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE BOSP	2 3 5
BICKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R GEBRMAN	2 3 5
EDGELEY EXP FARM	2462	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5 7
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	8	47 35	102 08	2062	6P	6P	A W CASE	2 3 5
ELLENDALE	2605	DICKEY	5	46 00	98 31	1480	6P	8P	PAUL GREGS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	8P	6P	T BEACHLER	2 3 5
ESMOND	2767	BENSON	11	48 02	99 46	1850		MID	CLARENCE L JENSEN	3 4
FAIRFIELD 9 N	2808	BILLINGS	7	47 19	103 12	2850		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2659	CASS	10	48 54	98 48	885	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
FREDENDEN	2948	WELLS	5	47 59	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1980		8A	GEORGE W SIWCLAIR	3
FORMAN	3117	SARGENT	10	46 08	97 38	1249	8P	8P	ART WATERMAN	2 3 5 7
FORT YATES	3207	SIOUX	8	46 06	100 38	1640	S6	5S	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 53	1609	5P	5P	D S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	8P	6P	DAVID R HAMM	2 3 5
GARRISON	3378	MC LEAN	8	47 38	101 25	1811	7A	7A	GEORGE J MANOWALD	2 3 5
GLEN ULLIN	3496	MORTON	4	48 49	101 48	2090		MID	LOUIS N GAURR	3 4
GOLVA 1 SE	3556	GOLDEN VALLEY	7	46 44	103 57	2780		MID	ISADORE MARQUL186	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 28	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3816	GRAND FORKS	10	47 56	97 05	834	MID	MID	O 6 CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3821	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REIWEK	3 4
GRENVILLE	3696	MC HENRY	12	48 16	100 31	1504	7P	7P	ERIC ROBLE	2 3 5
GRENORA	3736	WILLIAMS	6	48 37	103 56	2114	8P	8P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	N	47 21	102 20	2073		6P	JOHN WIGEW	3
HANNINSON RR STATION	3008	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANKAPORD	3926	GRIGGS	11	47 18	K6 12	1426		MID	BOMER A BENSON	3 4
HANNAH	303N	CAVALIER	N	46 5K	98 41	1370	8P	8P	U S CUSTOMS OFFICE	2 3 5
HANSBORO	5065	TOWNER	9	48 57	00 25	1597	7P	7P	W E DIGKER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1506		6P	E J REYNOLDS	3
HAYNES 6 NE	4073	ADAMS	1	46 01	102 24	2640		MID	BYRON S BOBB	3 4
HAZELTON RR 6TATION	4083	EMMONS	6	46 28	100 17	1078		MID	EPHRAIM ZACHER	3 4
HETTINGER	4178	ADAMS	5	46 00	102 38	2675	6P	6P	EDWARD E BJORUM	2 3 4 3 7
HILLSBORO	4202	TRAILL	10	47 24	97 04	801	6P	6P	ALFRED JAENKE	2 5 5
HURDSFIELD	4343	WELLS	5	47 27	00 55	1013		MID	MRS E BUTH BUCHWITZ	6 4
JAMESTOWN CAA AP	4413	STUTSMAN	3	46 56	98 41	1487	MID	MID	U 6 CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HO6P	4416	STUTSMAN	3	46 55	98 40	1457	7P	7P	N D STATE HO6PITAL	2 3 3
KENMARK	4646	WARD	12	48 40	102 03	1789	MID	MID	THEO E MCKBERG	2 3 3
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	3	47 15	96 62	1440	7P	7P	D 6 WILDLIFE REF	2 5 5
KRAMER 5 SW	4823	BOTTINEAU	1N	48 50	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	6	46 21	98 18	1562	7P	7P	ANDREW REMICK	2 3 5
LANGDON EXP FARM	4036	CAVALIER	K	48 45	9K 21	1613	5P	3P	V STURLADGSON	2 3 3 7
LANGMORE	5013	GRAND FORKS	19	47 54	N7 36	1134	7P	7P	ELEN PETERSON	2 3 5
LEEDS	3078	BENSON	3	48 17	90 26	1515	7P	7P	JOHN FAGEN	2 3 5
LINTON	5210	EMMONS	N	4K IN	100 14	1711	8P	8P	WM HEYERMAN	2 3 5 7
LISBON	5220	RANSON	11	46 2K	07 41	1081	7A	7A	HOBERT W JOD6AAS	2 3 5 7
LAMOORE AGR SCHOOL	5434	BENSON	11	47 66	99 30	1K04	6P	6P	BENSON CY AGR SCHL	2 3 5
LANGAN EXP STATION	5479	MONTON	4	46 48	100 54	1750	6A	6A	NO G P FIELD STA	2 3 4 6 8
LANGAN FT LINCOLN PARK	5484	MORTON	9	46 47	100 32	1700	NP	6P	PARK SUPT	2 3 5
LAPWING	3519	DUNN	N	47 14	102 46			6P	MISS JEANETTE DAWES	3
LARMARTE	6575	SLOPE	7	46 16	105 33	2714	NP	6P	S P GRAMM	2 5 3 7
LARTIN	5810	SHERIDAN	11	47 50	100 07	1810		NP	JOHN W MAGNUSON	3
LAX	5636	MC LEAN	9	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 3
LAYVILLN	3660	TRAILL	10	47 50	K7 19	973	6P	6P	B A RAGAZ	2 3 5 7
LC CLUSKY	3710	SHERIDAN	1B	47 29	100 20	1K43	11A	11A	J A HAMILTON	2 3 5 7
MC GREGOR RR STAYION	3720	WILLIAMS	6	46 38	102 66			MID	MARTVIN H HERMANSON	3 4
MC HENRY 5 W	5730	EDDY	11	47 38	98 35	130K	8P	8P	C N BLASKY	3 3 7
MC LEOD 3 N	5754	WICHLAND	11	46 24	N7 14	1073	7P	7P	J G CARLSON	2 3 6
MC VILLE	5764	NELSON	10	47 48	06 11	1467		6P	B B EKIEFEL	3
MEDINA 1 W	6796	STUTSMAN	6	46 56	09 10			8P	WUDOLPH GRAF	3

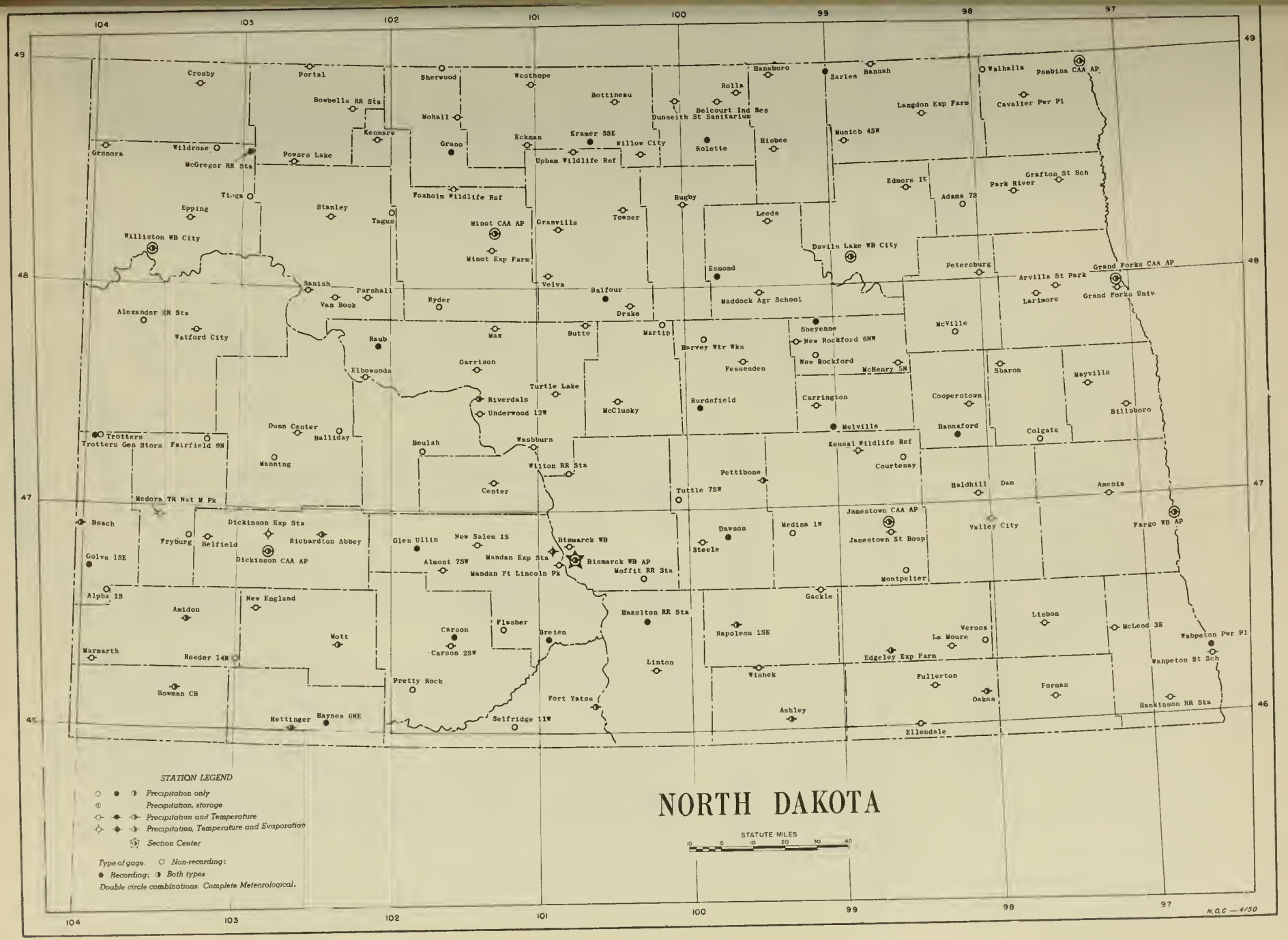
Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time Temp.	Observation time Precip.	Observer	Refer to tables
MEDORA STATE PARK	5808	BILLINGS	7	46 58	103 33	2271	5P	5P	PARK SUPT	CLOSED
MEDORA TRMMP	5813	BILLINGS	7	46 5H	103 30	2250	5P	5P	US FOREST SERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	99 02	1825		MID	EDGAR S STEGMEIER	3 4
MINOT CAA AP	5988	WARD	12	48 15	101 17	1724	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720	6P	8P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 48	101 31	1639	8P	9P	IVER JOHNSON	2 3 5 7
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	ROLF HANSON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420	8S	8S	FOREST E COPING	2 3 4 5 7
MUNICH 4 SW	6185	CAVALIER	2	48 38	98 53	1598	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 1 SE	6255	LOGAN	8	46 29	99 45	1955	7P	7P	GLADYS J PETERSON	2 3 4 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S HATCH	2 3 5
NEW ROCKFORD	6350	EDDY	5	47 41	99 08	1555		6S	VALENTINE A RIEDER	3
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	9S 15	1550	8P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	8P	GP	WM F OAEBE	2 3 5
OAKES	8620	DICKEY	5	46 08	SE 05	1320	8A	8A	C M RAGEN	2 3 4 5
OWENS 3 6E	6703	BOTTINEAU	12	48 39	100 26			MID	ARTHUR B VOLLMER	CLOSED
PARK RIVER	6857	WALSH	10	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSEALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 5 7
PEMBINA CAA AP	8947	PEMBINA	10	48 57	S7 15	782	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5 7
PETTIBONE	7047	KIDDER	8	47 07	S9 31	1860	7P	7P	L N DETHLOFF	2 3 5 7
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5 7
POWERS LAKE	7281	BURKE	8	48 24	102 35	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
REEDER 14 N	7452	SLOPE	1	46 19	102 57	2860		8A	CHAS M METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	5P	5P	ASSUMPTION ABBEY	2 3 4 5 7
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6 7
ROLETTE	7655	ROLETTE	12	48 40	99 50	1825	MID	MID	GEORGE F GEHRES	3 4
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO S FAGERLUND	2 3 5 7
RUGBY	7704	PIERCE	12	48 22	100 00	1560	8P	8P	FRANK KORNSTEIN	2 3 5 7
RYDER	7719	WARD	8	47 55	101 40	2108		8A	S C SCHELLENBAUM	3
SANISH	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	H J BUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	S9 00	1585		MID	CLARENCE J OLSON	3 4
SEARING	7944	MC KINZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE 11 W	7852	SIOUX	8	46 01	101 10	2183		7P	L E WILSON	3
SHARON	7986	STEELE	10	47 36	97 54	1516	8P	8P	HUGH LYON	2 3 5 7
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647		8P	U S CUSTOMS SERV	3
SHEYENNE	057	EDDY	11	47 50	89 07	1500		MID	ALVIN E SODERHOLM	3 4
STANLEY	8278	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5 7
STEELE	8366	KIDDER	8	46 51	9S 55	1857	8P	8P	LEON V LESHER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE W PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8782	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST S RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	WIDDEW	8	47 02	100 04	1638		8P	ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	8P	6P	MRS F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1228	6P	6P	MISS I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	8P	6P	OSCAR ANDERSON	2 3 5 7
VERONA	8035	LA MOURE	5	46 22	S8 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	S6 36	962		MID	VICTOR SURTON	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	48 16	S6 36	882	5P	5P	ST 6CH OF SCIENCE	2 3 5 7
WALHALLA	9155	PEMBINA	9	48 56	97 54	950		7P	JAMES N TOUMAKE	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	8P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	8233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5 7
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	1508	8P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JOWATSAN WINKJER	3
WILLISTON WB CITY	8425	WILLIAMS	8	48 09	103 35	1877	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	8445	BOTTINEAD	12	48 36	100 17	1471	8P	8P	O M SANDERSON	2 3 5
WILTON RR 6TATION	8455	MC LEAN	8	47 09	100 48	2139	8A	6A	SOO LINE AGENT	2 3 5
WIGHEK	9515	MC INTOSH	8	46 16	89 34	2010	8A	8A	B W LARSON	2 3 5

NEW STATIONS

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time Temp.	Observation time Precip.	Observer	Refer to tables
FRYBURG	3277	BILLINGS	4	46 53	103 18	2780		7A	HERMAN J MAY	3
TROTTERS GEN 6TORE	8812	GOLDEN VALLEY	13	47 20	103 54	2420		MID	EUGENE A RUSSELL	3 4

DRAINAGE CODE: 1. Cannonball 2. Devils Lake 3. Grand 4 Heart 5 James 6 Knife 7 Little Missouri 8 Missouri 9 Pembina 10 Red 11 Sheyenne 12 Souris 13 Yellowstone

Refernace Notes for this issue may be found on Page 46.


NORTH DAKOTA
STATION LEGEND
Precipitation only
Precipitation, storage
Precipitation and Temperature
Precipitation, Temperature and Evaporation
Section Center
Type of gage. Non-recording:
Recording; Both types
Double circle combinations: Complete Meteorological.
STATUTE MILES
0 10 20 30 40
N.O.C. — 4/50
Crosby
Portal
Sherwood
Westhope
Hansboro
Sarles
Bannah
Walhalla
Pembina CAA AP
Bowbells RR Sta
Bottineau
Rolla
Belcourt Ind Res
Dunseith St Sanitarium
Langdon Exp Farm
Cavalier Pwr Pl
Mohall
Kenmare
Grano
Eckman
Kramer 5SE
Willow City
Rolette
Hisbee
Munich 4SW
Grenora
Wildrose
McGregor RR Sta
Powers Lake
Upham Wildlife Ref
Edmore 1E
Grafton St Sch
Park River
Tioga
Foxholm Wildlife Ref
Adams 7S
Epping
Stanley
Tagus
Rugby
Towner
Leeds
Minot CAA AP
Granvills
Williston WB City
Minot Exp Farm
Dsvils Lake WB City
Petersburg
Grand Forks CAA AP
Esmond
Arvilla St Park
Grand Forks Univ
Larimore
Sanish
Parshall
Velva
Balfour
Van Book
Ryder
Maddock Agr School
Drake
Alexandsr RR Sta
Watford City
Raub
Max
Butte
Martin
Harvey Wtr Wks
Sheyenne
New Rockford 6NW
McVille
New Rockford
Fessenden
McHenry 5N
Sharon
Mayville
Elbowoods
Garrison
Turtle Lake
Riverdale
Underwood 12W
McClusky
Rurdsfield
Carrington
Cooperstown
Billsboro
Trotters
Trotters Gen Stors
Fairfield 9N
Dunn Center
Balliday
Beulah
Washburn
Melville
Hannaford
Colgate
Kensal Wildlife Ref
Courtenay
Manning
Wilton RR Sta
Pettibone
Center
Haldhill Dam
Amenia
Medora TR Nat M Pk
Tuttle 7SW
Jamestown CAA AP
Bsach
Dickinson Exp Sta
Fryburg
Belfield
Richardton Abbey
Glen Ullin
New Salem 1S
Bismarck WB
Dawson
Medina 1W
Valley City
Fargo WB AP
Golva 1SE
Dickinson CAA AP
Almont 7SW
Mandan Exp Sta
Bismarck WB AP
Steele
Jamestown St Bosp
Mandan Ft Lincoln Pk
Moffit RR Sta
Montpelier
Alpha 1S
Amidon
New England
Gackle
Hazelton RR Sta
Lisbon
Carson
Flasher
Breien
Napoleon 1SE
Verona
La Moure
McLeod 3E
Wahpeton Pwr Pl
Marmarth
Mott
Carson 2SW
Rseder 14N
Edgeley Exp Farm
Wahpeton St Sch
Linton
Wishek
Fullerton
Howman CB
Pretty Rock
Fort Yatss
Oakes
Forman
Hankinson RR Sta
Hettinger
Haynes 6NE
Selfridge 11W
Ashley
Ellendale
104
103
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Nat Hist
1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

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CLIMATOLOGICAL DATA

NORTH DAKOTA

APRIL 1950
Volume LIX No. 4

KANSAS CITY: 1950

NORTH DAKOTA - APRIL 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

April was an unfavorable month generally. It was the coldest April since 1920. Nearly three times the normal snowfall was recorded. Record floods occurred on nearly all the streams in the State. Practically no field work was accomplished during the month.

The month opened with extremely heavy snow cover in the southwest and south-central sections and lesser snow cover in nearly all other portions of the state. The heaviest snow cover was reported at New Salem with 27 inches on the ground and Carson with 23 inches on the ground on the first. The least snow on the ground was reported in the southeast, northwest, and north central sections of the state. The weather continued unseasonably cold for the first two weeks and the snow cover was very slow in disappearing. River ice was solid in most sections except for flooding on the Red River. After the 14th it became much warmer and most of the snow melted. Runoff was very rapid and flooding occurred on nearly all streams in the state. The Missouri and Souris Rivers were the only larger streams without floods. The weather continued favorable for over a week during which fields dried rapidly. High winds occurred on several days with some blowing dust reported in the northwest and extreme west portions of the state. By the 24th, however, a marked change in the weather picture took place and the remainder of the month was unseasonably cold with cloudy skies and much snowfall. On the 24th heavy snow fell in the northwest and central portions of the state with snow up to 17 inches reported on the ground at Mohall, 12 inches reported on the ground at Minot, and 10 inches at Foxholm, and Kenmare. This is probably one of the heaviest snowfalls ever experienced so late in the season. Nearly all roads in those areas were blocked. On the 26th many stations reported the lowest temperatures they ever had for so late in the season. The month closed with cold wet weather and much snowfall.

The temperature for the month averaged 32.6 degrees which is 8.9 degrees below normal. This is the third coldest April observed since records were begun in 1892. The years 1907 and 1920 were both colder than April 1950. The eastern division with a mean temperature of 32.1 degrees was 9.1 degrees below normal. The middle division was also 9.1 degrees below normal with a mean temperature of 32.3 degrees. The western division was the warmest with an average of 33.4 degrees or 8.1 degrees below normal.

In spite of the cold month precipitation averaged slightly below normal. The average for the state was 1.38 inches which is 0.04 inch below normal. The eastern division had an average of 1.32 inches of precipitation which is 0.38 inch below normal. The middle division was above normal by 0.05 inch with an average of 1.38 inches. The western division received the greatest amount with an average of 1.44 inches. This is 0.22 inch above normal. A big share of the total precipitation in all sections of the state fell as snow. The average snowfall was 9.5 inches. The east averaged 10.2 inches, the middle division averaged 10.9 inches for the greatest amount, and the western division averaged 7.4 inches for the smallest amount. This is the greatest amount of snow ever recorded in any April in North Dakota since records were begun in 1892. This cold and snowy weather had a very serious effect on farming operations. A long and hard winter had seriously cut into available feed stocks by the end of March and many farmers were beginning to scout around for extra feed supplies by that time. Pastures failed to develop during the month and supplemental feeding was required. As a consequence livestock suffered some in nearly all sections. Conditions were most serious in the southwest and south central portions due to the unusually heavy snow cover which made it all but impossible to even get to existing feed supplies or to have additional feed shipped in. Extensive flooding on the streams only aggravated the problem. Calf losses ranged up to five times the normal in many places. Livestock fared best in the northwest and north central counties. Field work was almost negligible during the month. Some seeding was accomplished during the week preceding the 24th in a few widely scattered areas. Soil moisture was excellent in all sections by the end of the month.

Floods proved to be a major disaster to North Dakota this year with damages estimated to be many millions of dollars. Most streams in the southwest and south central sections exceeded any previous year of record for high water. The Red River experienced prolonged flooding along its entire course and exceeded all previous records at Pembina. It was above flood stage at Fargo from March 30 to April 20 with a crest of 27.2 feet on April 8th. The flood crest at Pembina reached nearly 52 feet by April 30th. The crest at Grand Forks was 44 feet on April 25th. The Missouri and Little Missouri Rivers had only light flooding and the Souris river had no flood during the month. Highways were flooded for long periods by rivers, creeks, and even smaller streams. Numerous highway, railroad bridges and grades were washed out. Heaviest damage to towns occurred along the Cannonball and Knife rivers in the southwest, James and Pipestem Rivers in the vicinity of Jamestown, and along the Red River. Mandan on the Heart River escaped serious flooding due partly to an improved dyke system and partly to the recent completion of the Heart-Butte Dam south of Glen Ullin. Two lives were reported lost due to flood conditions.--CJS.

ACKNOWLEDGMENT

In addition to tbe Climatological data from some 6,000 Weather Bureau and cooperative weatber stations, tbis bulletin series contains records from Bydroclimatic Network Stations whicb were formerly reproduced in the Bydrologic Bulletin Series. The Bydroclimatic Network is a nationwide net of rain gages -- mostly of tbe recording type wbicb produce continuous records of precipitation. It was estahlisbed in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity wbicb were essential to tbe planning of flood control and related works by tbe Corps of Engineers. Tbis Network, now numbering about 2,000 recording, and 1,C00 non-recording rain gages, bas been maintained by the Weatber Bureau tbrough working funds transferred annually to the Weatber Bureau by tbe Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since tbat date. For the years 1940-42, tbe Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 tbe Bureau of Rsclamation has transferred ahout $25,000 per year to meet tbe increasing needs of tbeir program in tbe Western States.

Previous to the introduction of tbis hulletin Series, data from Bydroclimatic Network Stations were presented in bulletins (Bydrologic Bulletins) wbicb were issued monthly for each of 8 drainage areas embracing tbe entire United States, but since the Network was established to mse the internal requirements of tbe Federal agencies referred to abovs, no provision was made for public dissemination of the data, distributio heing listed to cooperating agencies and to certain public repositories. A list of locations wbere reference copies of tbe Bydrologic Bulletin Series are availahle for inspection may he obtained upon applicatio to Cbief, U. S. Weatber Bureau, Wasbington 25, D. C.

Many other records publisbed in this bulletin bave been made availahl througb tbe cooperation of various public offices, private agenciss, an individuals as listsd in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismark WB AP	NNW	18	14.3	56	NW	18	82	84	69	69	12	2	5	1	0	0	20	38	7.8	832
Devils Lake WB City	-	-	12.5	36	N	7	-	-	-	-	10	3	6	1	0	0	20	50	8.8	1007
Fargo WB AP	NNW	20	16.4	45	NW	18	82	84	67	69	5	7	7	0	0	0	18	48	7.0	838
Williston WB City	-	-	9.5	38	W	17	-	-	-	-	4	6	2	1	0	0	13	87	8.3	881

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	37.6	75	- 2	2.65	6.3	7
1893	34.3	77	- 8	1.70	7.8	6
1894	42.8	92	12	3.03	4.4	9
1895	49.6	87	10	2.23	0.0	5
1896	40.1	92	2	3.80	5.1	9
1897	40.8	93	7	1.08	1.1	5
1898	41.9	87	- 4	1.38	0.5	5
1899	38.0	86	-22	1.36	6.3	6
1900	49.3	93	11	0.85	T	3
1801	44.5	92	10	0.98	0.3	4
1902	40.2	87	- 2	1.06	2.9	3
1903	42.5	83	8	1.23	2.7	5
1904	37.4	91	2	1.38	8.1	5
1905	40.2	83	3	0.51	3.7	3
1906	46.7	88	8	1.50	1.3	5
1807	31.9	80	- 6	0.52	4.2	4
1908	43.9	91	-19	1.52	5.9	5
1908	34.2	80	3	0.77	5.1	6
1910	48.0	96	4	1.37	2.8	4
1911	41.5	90	- 5	1.19	6.3	5
1912	44.4	88	2	2.35	1.7	7
1913	46.8	94	11	0.64	2.4	4

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1914	40.9	84	2	1.46	2.8	6
1915	50.3	99	5	1.03	T	5
1916	39.2	79	- 6	1.44	2.9	5
1917	37.2	73	5	1.68	5.6	7
1918	41.4	81	0	2.18	3.0	7
1919	42.3	79	6	1.52	6.2	6
1920	32.1	63	-11	0.84	2.1	5
1921	41.1	91	1	1.77	3.8	7
1922	42.3	89	- 2	0.92	2.3	6
1923	38.7	89	-15	1.45	7.2	5
1924	39.3	84	6	2.53	7.5	9
1925	47.8	85	10	1.60	T	6
1928	42.8	98	- 4	0.28	0.9	3
1927	41.4	95	7	1.73	2.3	7
1928	35.9	84	- 6	0.91	5.0	5
1929	41.5	85	- 9	1.31	3.4	6
1930	47.3	86	8	1.25	0.5	6
1931	44.1	87	3	0.43	0.7	2
1932	44.1	79	0	2.14	0.7	8
1933	40.0	84	2	1.33	7.3	5
1934	43.7	95	7	0.44	1.9	3
1935	38.4	83	0	1.93	3.6	8

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1936	35.6	87	-15	0.39	0.5	4
1937	40.7	79	2	2.02	5.8	8
1938	42.8	90	1	1.09	0.1	5
1939	41.6	90	- 1	0.87	0.8	6
1940	37.8	78	- 9	2.22	4.1	8
1941	44.1	82	6	2.30	1.6	13
1942	44.9	90	- 6	1.86	3.3	7
1943	44.9	83	11	1.48	0.1	5
1944	40.8	77	-11	0.80	0.2	4
1945	38.0	80	6	1.10	4.5	6
1946	48.2	87	9	0.67	2.4	4
1947	39.9	90	0	1.48	8.8	8
1948	40.3	85	-13	2.15	5.0	6
1949	47.2	96	5	0.45	T	3
1950	32.6	83	- 9	1.38	9.5	7
PERIOD	41.5			1.42	3.3	

CLIMATOLOGICAL DATA

Table 2

Station	Temperature								Precipitation								
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Data	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
Amenia	34.4		71	17	9	12		26	1.47		.40	25	4.4	1	9+	8	4	
Carrington	29.1 M	-10.5			- 8	9			.56	- .77	.50	25	6.0	6	1	4	1	
Cavalier Power Plant	30.8	- 8.3	53	16+	- 4	13		23	2.19	.80	.68	2	14.5	13	2	8	3	
Cooperstown	31.9	- 8.4	63	17	3	12		26	1.07	- .32	.62	10	1.2	1	10	4	2	
Devils Lake WB City	31.2	- 7.6	63	17	6	12		24	1.87	.35	.65	24	18.9	7	24+	10	2	
Edgeley Exp Farm	33.8	- 8.8	74	17	8	12		28	.42	- 1.33	.12	25	T			7		
Edmore 1 W	29.4	- 9.9	59	17	- 2	12		26	1.38	.10			17.0	14	10+	8	2	
Ellendale	36.2	- 6.5	75	17	12	12		24	1.40	- .46	.45	29	7.5	3	30	8	2	
Fargo WB AP //	33.5	- 7.1	68	17	10	12		23	1.79	- .39	.34	25	12.4	4	26	14	3	
Forman	34.8	- 9.2	72	17	10	12		24	.73	- 1.28	.28	29	4.1			5	1	
Fullerton								26	1.10	- 1.04	.56	29	9.9	2	25	8	2	
Gackle	33.0 M	- 9.1	67	17	6	12		25	.76	- .78	.30	28	6.0	9	1+	4	1	
Grafton State School	30.7	- 8.9	52	21+	- 5	13		26	1.93	.58	.55	25	11.5	13	10	6	4	
Grand Forks CAA //	29.7	-11.6	60	17	- 3	13		26	1.73	.07	.37	8	17.0	10	10	11	2	
Grand Forks Univ	30.3	-11.0	80	17	- 3	13		26	2.05	.39	.53	24	16.7	8	10+	10	3	
Hankinson R R Sta.	33.7	- 9.8	69	18	11	12		24	1.08	- .93	.31	30	7.0	5	30	7	2	
Hannah	28.9 M	- 9.0	61	17	1	12		23	1.09	- .03	.26	9	7.0	8	2	10	1	
Hillsboro	31.9	-10.3	67	17	5	12		27	1.77	- .11	.33	24	11.8			11	3	
Jamestown CAA //	32.4	- 9.3	67	17	5	12		26	1.85	- .15	.68	10	13.8	4	10	8	2	
Jamestown State Hospital	33.9	- 7.8	68	17	8	12		26	.96	- .74	.26	24	10.8			8	2	
Kensal Wildlife Ref	31.3		65	17	3	12		27	.76		.33	10	9.0	3	10	4	1	
La Moure	35.4		75	17	9	12		23	.99		.28	25	3.6	T	25+	9	1	
Langdon Exp Farm	28.2	- 9.4	52	17	- 9	12		29	1.70	.47	.45	2	15.6			12	4	
Larimore	30.3 M	- 9.9	62	17	0	13		26	1.78	.19	.53	23	11.0	16	1+	8	4	
Lisbon	33.9	- 8.2	74	18	10	13		25	1.11	- .82	.35	25				9	2	
Mayville	33.0	- 9.5	66	17	5	12+		25	2.01	.46	.43	25	16.2	11	2	11	3	
Mc Henry 5 N	30.6	-10.0	62	17	2	12		26	1.04	- .33	.31	10	11.5	14	1+	9	1	
Mc Leod 3 E	35.5	- 8.1	73	17	10	12		27	1.29	- .70	.50	26				6	2	
Munich 4 SW	29.2		59	17	3	12		26	.90		.33	30	5.5	5	2	10	1	
Oakes	34.1	- 8.7	72	18	11	12+		26	1.07	- .80	.42	30	7.7	7	30	7	2	
Park River	30.2	-10.3	56	17	- 6	13		25	1.30	- .02	.42	24	16.1	15	10+	8	1	
Pembina CAA //	27.7	-10.8	50	16	- 3	13		28	1.08	- .18	.36	2	10.6	12	10+	11	1	
Petersburg	28.0		58	17	- 4	12		27	1.51	.12	.54	30	9.5			5	3	
Sharon	31.0	- 8.6	61	17	3	12		26	1.60	.12	.45	10	15.0	11	1+	7	4	
Valley City	34.7	- 7.7	70	17	5	12		26	1.07	- .66	.28	29	5.0	2	25	8	2	

See reference notes following Station Index.

Table 2—Continued

CLIMATOLOGICAL DATA

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
Wahpeton State School	35.3	- 8.9	68	17	12	12		25	1.33	- .75	.27	30	12.0	2	1+	12	1	
DIVISION	32.1	- 9.1							1.32	- .38			10.2					
MIDDLE DIVISION																		
Ashley	32.1	-10.3	72	17	12	12		25	.59	- 1.02	.24	28	7.7	7	29+	5		
Belcourt Indian Res	28.5		61	21	- 1	13		30	.75		.23	8	7.7	5	9+	8		
Biebee	32.1 M	- 8.6	64	17	7	7+		27	.82	- .37	.24	30	5.0	3	1+	4		
Bismarck WB City	34.1	- 8.0	69	21	9	12		23	1.73	.54	.51	9	8.5			9	3	
Bismarck WB AP	33.7	- 6.7	69	21	8	12		25	1.71	.19	.51	9	11.3	8	1+	8	3	
Bottineau	31.8	- 7.1	63	17	5	12		28	.96	.12	.26	2	12.7	4	2	8	1	
Butte	32.6 M	- 8.7	89	21	6	12		23	1.42	.12	.85	24	T	T	1+	4	2	
Careon 2 SW	31.2		62	21	10	4+		26	1.50	.15	.43	10	10.0	23	1	8	4	
Center	31.4	-11.4	67	21	5	12+		28	1.48	.25	.62	24	5.0	14	1	6	2	
Drake	33.6	- 6.8	83	18	10	12		25	.89	- .28	.48	24	.0			5	2	
Dunseith St. Sanitarium	31.0	- 8.5	63	17	- 1	12		24	.68	- .16	.28	2	14.1	9	2	4	1	
Eckman	31.8	- 8.6	67	18	8	8		29	.85	- .06	.25	9	6.5	4	1	6	1	
Fessenden	31.5	- 8.9	62	21	8	12		29	.67	- .65	.61	24				2	1	
Fort Yates	35.4	- 9.4	71	17+	9	12		23	1.25	- .10	.29	29	8.6	7	1	8	2	
Foxholm Wildlife Ref	33.3	- 7.5	63	17	9	7+		24	1.56	.31	.87	24	16.5	10	25	4	2	
Garrison	31.9	-10.2	68	21	10	12		24	1.95	.79	.92	24	8.3	8	1	8	2	
Granville	32.7	- 8.1	68	21	9	12		28	1.23	.29	.79	24	8.6	5	24+	4	2	
Hansboro	29.7 M	- 8.9	63	17	4	7+		27	.50	- .75	.14	30	15.4	5	2	8		
Leeds	32.7		63	21	7	12		24	2.29		.70	10	14.4			8	3	
Linton	34.9	- 7.9	71	17	11	12		26	1.45	.17	.33	9+	9.0	4	1+	8	4	
Maddock Agr School	31.4	- 9.2	61	17	4	12		27	1.47	.35	.41	24	2.1			8	3	
Mandan Exp Station	32.4	-10.2	68	22	7	13		24	2.03	.75	.71	10	14.7	11	1	9	3	
Mandan Ft. Lincoln Park	34.1		72	21	8	13		24	1.69		.45	24	.5	10	1	8	3	
Max	31.0	- 9.6	67	18+	8	12		27	1.96	.71	.80	25	12.5	9	25	6	3	
Mc Clusky	30.6	-10.5	84	21	4	12		27	2.06	.82	1.15	24		3	24	6	3	1
Minot CAA //	31.5	- 8.3	66	21	11	12		23	3.36	2.14	2.14	24	27.9	12	24+	12	2	1
Minot Exp Farm	32.0		66	21	10	12+		26	2.45		2.11	24	14.8	11	24+	7	1	1
Mohall	32.5	- 7.8	66	21	3	7		25	1.96	1.00	1.31	24	23.1	17	24	8	2	1
Napoleon 1 SE	32.0	- 9.4	66	17	3	12		25	1.03	- .48	.23	24	7.2	5	1+	11		
New Salem 1 S	31.8	-10.4	67	21	8	12		23	1.74	.59	.46	24		27	1	10	2	
Pettibone	31.7	- 9.1	62	21	1	12		28	1.35	.18	.40	10+	11.7	16	1+	9	2	
Riverdale	33.5		69	21	8	12		24	1.30		.62	24				9	1	
Rolla	30.2	- 9.6	62	17	4	7		25	.90	- .31	.20	24	8.0	3	26	7		
Rugby	33.8		68	17	8	12		25	1.21	.22	.31	24	19.0			8	2	
Steele	30.5	-12.2	67	17	- 2	12		28	1.32	.14	.54	24	11.5	12	1	6	2	
Towner	33.3	- 8.5	69	16	8	12		27	1.30	.30	.59	24	23.0			5	2	
Turtle Lake	31.5 M	- 9.8	68	20	8	12+		27										
Underwood 12 W	34.5	- 9.3	89	21	11	12		25	1.00	- .07	.64	25	10.0	4	25	4	1	
Upham Wildlife Ref	34.1		70	17	7	12		26	.83		.35	8	13.0	4	8+	5	1	
Velva	33.0	- 8.4	68	17+	7	7		25	1.13	.04	.67	24	12.0	9	25	8	1	
Washburn	33.8	- 8.5	71	21	8	12		23	1.45	.38	.91	24	17.0			5	1	
Westhope	32.7	- 7.2	68	16+	7	7+		26	1.38	.51	.74	24	17.5	8	24	4	2	
Willow City	33.4	- 6.2	88	17	8	12		27	.70	- .26	.20	1	8.0	2	1+	5		
Wilton R R Station	29.1 M	-13.1	64	22	3	12		25	1.84	.72	.50	24	9.0	16	1	8	4	
Wishek	32.3	- 9.2	68	22	6	12		28	.92	- .48	.32	10	5.3			7	1	
DIVISION	32.3	- 9.1							1.38	.05			10.9					
WESTERN DIVISION																		
Almont 7 SW	31.7		66	21	12	12+		25	1.26		.26	24+	9.7	5	10+	9	2	
Amidon	33.7	- 7.7	67	21+	12	30		25	1.25	- .07	.60	24	10.1	9	1	7	2	
Beach	35.0	- 7.2	66	21	15	7+		25	1.96	.78	1.41	24	7.9	2	8	8	1	1
Belfield	32.9	- 9.2	66	21	8	5		27	1.68	.40	1.15	24	8.1	6	1	6	2	1
Bowman Court House //	33.7	- 8.8	67	21	12	4+		26	1.06	- .17	.53	24	T	8	1	6	1	
Croeby	33.7	- 6.2	62	22	12	7+		26	1.08	.15	.41	25	8.0	6	25	10	2	
Dickinson CAA	32.0	- 9.8	68	17	10	5		26	1.61	.41	.51	24	9.9	10	8+	8	4	
Dickinson Exp Sta	32.2	- 9.6	68	22	10	5		27	1.37	.17	.71	24	8.9	7	1	11	1	
Dunn Center	32.0	- 9.5	67	22	8	26		28	1.90	.64	.76	24	11.3	10	1	8	2	
Elbowoods	29.8	-13.2	69	21	5	12+		28	1.00	- .01	.50	25	6.0			4	2	
Epping	34.2	- 7.5	65	21	11	13		26	.96	- .03	.78	24				3	1	
Grenora	34.4	- 4.9	60	15+	10	7		26	1.44	.41	.82	24	9.5	4	24	3	2	
Hettinger	34.5	- 8.4	87	18+	8	1		25	1.43	.37	.99	10	1.3			9	1	
Kenmare	34.8	- 5.6	65	21+	6	12		25	1.62	.70	1.03	24		10	24	8	1	1
Marmarth	37.0 M	- 6.2	74	17	15	8+		25	1.29	.22	.86	24	6.5	3	1+	5	1	
Medora T R W M P	36.1		68	20+	15	5		28	1.46		1.02	24	3.7	2	8+	7	1	1
New England	33.4	- 9.0	67	21	7	5		27	1.68	.48	.65	24	4.7	12	1	8	1	
Parshall	33.3	- 5.7	68	17+	10	26		26	1.14	.07	.76	24	3.6			7	1	
Portal	31.8	- 8.7	65	22	8	12		26	1.51	.57	.45	9	2.0	8	2	8	3	
Richardton Abbey	33.0	- 8.4	87	21	12	5		26	1.63	.41	.86	24	10.5	16	1	13	1	
Sanish	31.8	- 9.8	66	22	12	8		26	1.56	.44	.75	24	T			7	2	
Stanley	29.8		82	21	4	7		30	1.30	.13	.84	24	13.0			2	2	
Van Hook	33.8		67	17+	11	26		24	1.11		.85	24	11.2	5	2+	6	1	
Watford City	34.4	- 7.0	65	21	13	26		25	2.26	1.09	1.52	24	15.0	10	24	6	2	1
Williston WB City	35.1	- 6.8	62	21	15	8		23	1.46	.26	.82	24	9.4	4	1	9	1	
DIVISION	33.4	- 8.1							1.44	.22			7.4					
STATE	32.6	- 8.9							1.38	- .04			9.5					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA
APRIL 1850

Station			Day of month																											Total
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S				.40	.23				T		.21	.11									T											1.88
Alexander N R Sta			T		T	.06	.02		T	.28														T	1.05				T	.11		1.52
Almont 7 SW			*	.09					.02	.22	.19	.15							T	T					.03	.28	T			.26	.04		1.28
Alpha 1 S			.08	T	T	T			.18	*	.08	T								T					.35	.25				.14	.06		1.12
Amenia				.31	.05						.20									T						.26	.40	T			.25		1.47
Amidon		2	T	.10	.05	T			T	.30	.10															.60				.05	.05		1.25
Arvilla State Pk			T	.17	.03					.12	.07	.33							T							.49	.06	.10			.21		1.58
Ashley		2 //			T					.04		.18															.02			.24	.10		.58
Balfour		R	.10						.02	.12		.03														.75				.12	.03		1.17
Beach		2	.01		.01	T			.12	.06										T	T				.15	1.41	.T			.10	.10		1.96
Belcourt Indian Ree			.04	.15						.23	.10		T							T						.07	.05	.03			.08		.75
Belfield				.03					.15	.03																1.15				.28	.05		1.68
Beulah			.01						.08		.18															.80				.18	.04		1.27
Bisbee				.12				.08	T	T	.22									T					T	T	.18				.24		.82
Bismarck WB City			.01		T				.05	.21	.51	.30	T	T					T	T				T	.18	.34	T	T	T	.18	.03		1.73
Bismarck WB AP		Z	T	T	T				.08	.16	.51	.30	T	T					T	T	T			T	.19	.25	T	T	T	.18	.03		1.71
Bottineau			.08	.26						.10	.19		T							.02					T	.14	.05	T			.12		.96
Bowman Court Bouse		Z //	T	.13	T				.11	.03	.07									T					T	.53				.19	T		1.06
Breien		R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						.03	.10	.28	.01			.14			-
Butte			T						T	.03				T											T	.85	.38	T			T	.18		1.42
Carrington											.02																.50	.01				.03		.59
Carson		R	.18						.06	.05	.64	.14														.10	-	-	-	-	-		-
Carson 2 SW			.28				T		.12	.05	.35	.43								T	T					.08				.28			1.50
Cavalier Pwr Pl				.68	T				T	T	.47	.18								.04	.01					.01	.34	.22	T	T		.24		2.19
Center			T						T	.12	.05	.25	T												.20	.62	T			.24			1.48
Colgate											.10	.35														.30	.50				1.00		2.25
Cooperstown												.62								T						.12	.08				.25		1.07
Courtenay				T	T	T			T	.03	.13	.28													T	.15	.14	.02			.10	.10		.95
Crosby			T	.02	.01	T	T				.23			.01						.03	.01	.01			T	.34	.41					.01		1.08
Dawson		R	.01	.02							.15	.30														.14					*	.10		.72
Devils Lake WB City		Z	.17	.06	T	T		T	T	.27	.18	.15	T						T	T	T				T	.65	.07	.05	T		.18	.11		1.87
Dickinson CAA AP		Z	.03	T	T	.02			.14	.32	T	T		T					T	T					.26	.51	T	T	T		.32	.01		1.81
Dickinson Exp Sta			T	.08	T	.01	.01		.08	.06	.02			T			T			.01	.02	T			T	.71	.15		T		T	.22		1.37
Drake			.01						T	.09				T						.01						.48	.30							.88
Dunn Center				.08		T			T	.22	.10									T	T					.76	.54				.20			1.90
Dunseith St. Sanitar				.28						T	.24															* T	.12				.04		.68
Eckman			.03	.18							.25															.15	.10		T		.16		.85
Edgeley Exp Farm		Z	T		T				T		.01	.10	T	T											.03	.11	.12	T	.02		.03		.42
Edmore 1 W				.14						.30		.18								.02						*	.48	T			.24		1.38
Elbowoode			.01																							.30	.50			.19			1.00
Ellendale			T	.07						T	.20	.12	T	T			T	T			T				.03	.13	.30	T			.45	.10		1.40
Epping										.08										T						.78	T				.10		.96
Fairfield 9 N			.12		T	.04			.16	.18															T	.86				.16	.06		1.58
Fargo WB AP		2 //	.30	.11	.05	.02				.01	.13	.07	T	T					T	.07	.03					.33	.34	.05	T	T	.18	.12		1.79
Fessenden												.06														.61		T					.67
Flasher				.12						.07	.04	.76														.03	.11				.01	.28		1.40
Forman						T					T	.13	T												T	.13	.12	.07			.28			.73
Fort Yates		Z	.02	.21					T	.03	.19	.27													T	.21				.28	.03		1.25
Foxholm Wildlife Ref			T							.08																.87	.43					.18		1.59
Fryburg			T	.01	T	.01	.14		.03	.05	.02									.01	.04	T				1.00	.02		T		T	.10		1.43
Fullerton			T		T					.02	.03	.05	T												.03	.05	.26	T	T		.56	.10		1.10
Geckle			T								.07	.18	T							T	T					.21	T	T	T		.30	T		.78
Garrison			.09	T	T				T	.14	T		T	T						T					.62	.82	T	T	T		.18	.03		1.95
Glen Ullin		R	.20						.04	.06	.19														.29	.12					.38	.01		1.28
Goiva 1 SE		R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						*	1.25					.08	.07		-
Grafton St. Sch				.19	T					T	.27	.29								T						T	.55	.42				.22		1.93
Grand Forks CAA AP		Z //	.14	.13	.02	T			T	.37	.20	.29								T	T					.18	.09	.06	T		.11	.15		1.73
Grand Forks Univ				.20	.02	T				.25	.22	.29								T	T					.53	.23	.06	.02			.23		2.05
Grass			.25							.29	.03									.02					.04	.75	.10	.03			.05	.18		1.71
Granville			T							.30										T					.02	79							.12		1.23
Greenore																									.60	.82						.02		1.44
Halliday			.06			T			.10	.08										T	T					.82				T	.14		1.20
Sankinson R R Sta				T		T						.22	.12							.05	.01					T	.29	.08				.31		1.08
Hannah			.04	.22						.12	.28									.14	.04					.02	.11	.02				.12		1.09
Hansboro			.05	.15	T					.02	.10														T	.02	.01	.01				.14		.50
Harvey Water Wks			T	T					T	.02		.20								T	T					.17	T	T			T	.22		.81
Haynes 6 NE		R	.20		.05					*	*	.42																		*	.12	.01		.80
Hazelton R R Sta		R //	.10								.19	.35												.01	.16	.11	.13				.25	.04		1.33
Hettinger		Z	.02	.08					.02		.14	.99	.07	T													.01				.06	.04		1.43
Hillsboro			.16		.06					.02	.14	.28								.03	.02					.33	.28	.16	T		T	.29		1.77
Hurdsfield		R	.03	.03						*	*	.90								.05					.19	.45					.20	.09		1.64
Jamestown CAA AP		Z //	.06	T	T	T			T	T	.03	.68	T						T	T	T				T	.33	.22	.07	T		.44	.02		1.85
Jamestown St Hosp			.04	.05	T				T	T	.06	.25								T					T	.26	.04	T	T		.11	.15		.98
Kenmare				.03						.23	.05															1.03	.08					.20		1.62
Kensal Wildlife Ref			T							T	T	.33	T													.13	.09	T				.21		.78
Kramer 5 SE		R	-	-						.22	.04															.21	.03				.10	.10		-
La Moure			.03	.02	T					T	.02	.04								T					.04	.19	.28	T			.20	.17		.98
Langdon Exp Farm				.45	.03				.03	.05	.30	.07								.05						.03	.27	.13	.02			.27		1.70
Larimore				.28	T					.20									.16						.53	.36				.26			1.79
Leeds			.14	.10		T				.20	.13	.70								T						.80	.10					.32		2.29
Linton				.11					.01	T	.33	.27														.33	.03				.32	.05		1.45
Lisbon				.08		.02						.15	.02												.11	.03	.35	.03				.32		1.11
Maddock Agr Sch						T			T	.07	.04	.32	.03							T	T				T	.41	.23	.04			T	.33		1.47
Mandan Exp Sta		Z	T	.15		T			T	.02	.04	.71		T						T					.05	.38	.24	T	T		.01	.43		2.03
Mandan Ft Lincoln Pk			T	T	T					.02	.37	.43		T											.04	.45	.02				.20	.16		1.89
Marmarth			.12			T				T		T								T	T				.10	.88	.01			T	.20	*		1.29
Martin				T						T	.11														T	.50	.02	T				.13		.76
Max			T	.15					T	T		.15								T					.32	.37	.80					.17		1.96
Mayville				.18	.02	T				.08	.24	.23								.02	.02					.25	.43	.11	T		T	.42		2.01
Mc Clusky										.07	.09	.20								T						1.15	.28					.27		2.06
Mc Henry 5 N			T	.04					.01	.03	.07	.31							T	T						.12	.24	.03	T		T	.18		1.04
Mc Leod 3 E			.10	T						T	.12	.21	T													.10	T	.50			.28			1.28
Mc Ville			.22	.12						.08		.24														.28	.18					.40		1.48
Medina 1 W											.09	.25								T					T	.40	.10				.07	.13		1.01
Medore T W N W P			T	.03	.03	T			.11	.09																1.02					.12	.06		1.46
Melville		R	.04							.01	.03	.29													.02	.31					.12	.07		.89
Minot CAA AP		Z //	.19	.02	.01	T			T	.51	.01	T	T							.08					.09	2.14	.06	.04	T		.19	.05		3.38
Minot Exp Farm			.01			T				.12			T							T	T				.02	2.11	.01	T	T		.02	.18		2.45
Moffit R R Sta				.05						T	T	.25		T											.50	.14	.22					.15		1.31
Mohall			.23	.05						.32			.01												T	1.31	.01	.02				.01		1.96
Montpelier			T	.07						T	T	.25	T	T						T					.03	.18	.32	.03	.03			.22		1.13
Mott		Z	.25						.07	.05	.32						-	-	-	-	-	-	-	-	-	-	-	-	-	-	.15	.03		-
Munich 4 SW			T	.15					T	.03	.11	.02	T						T	.02	.08					.03	.12	.03				.33		.90
Napoleon 1 SE		Z	.02		.03	T	.02		.01		.20	.20	T	T						T					.11	.23	.02	T	T		.13	.06		1.03
New England				.18		T			.02	.24	.17	T								T	T					.95	.16				.19	.10		1.88
New Rockford			T	T		T			T	.15	.02	.37	T							T	T			T	T	.26	.20	03			T	.28		1.31
New Rockford 6 NW			T	.03					T	.02	T	.27	T							T	T					.31	.20	T	T		T	.26		1.09
New Salem 1 S			.25						.08	.17	.20	.18	T	T						T					.20	.48	.02				.15	.05		1.74
Oakes		Z		.07								.15	.03												T	.13	.25	.02				.42		1.07
Park River				.15	T					*	.03	.17	.22						T	T						.42	.18	.10				.03		1.30
Parshall			.03		.02					.19			T							T						.78	.02				.02	.10		1.14
Pembina CAA		Z //	.12	.38	.01			T	T	.18	.02	.15	T						T	.03	T					.02	.04	.02	T		T	.12		1.08
Peterburg			T	T						.50	.11	.25															.11					.54		1.51
Pettibone		Z	.17	.03	T				T	T	.01	.40	T							T					T	.40	.10	.01	T		.04	.19		1.35
Portal			*	.43	T	T					.45									T					T	.40	.14		T		.09			1.51

See reference notes following Station Index.

Table 3—Continued

DAILY PRECIPITATION

NORTH DAKOTA
APRIL 1950

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Pretty Rock		.34	T	T				.22	.05	.71								T	T	T					.04					.14	.05		1.55
Raub	R //	.12		.05					.20															*	.87					.25		1.49
Reeder 14 N			.16			T		.18	.20	.32	.10	.19													.23	T				T	.08		1.48
Richardton Abbey	Z	.07	.08	.02	.01			.06	.12	.10	.02							T	.01	T				T	.88	.02		T		.17	.08		1.63
Riversdals Garrison D	Z	.08	.03	T			T	T	.04	.03	T	T	T						T	T				.22	.82	.12	T	T		.04	.14		1.30
Rolette	R	.41	.03						.49	.08															.07	.02				.04	.08		1.20
Rolla			.12					T	.18	.08	T	T						T	T					T	.20	.10	.04				.18		.90
Rugby		.16	.02					*	.17																.31	.15	T		.10		.30		1.21
Ryder			.03	T			T	T		.22	T	T							T	T						.75				.10		1.10
Sanish			.15	.03						.35									.01						.75	.15					.12		1.56
Selfridge		.25	.15					.05	.05	.03	1.02								T											.55	T		2.10
Sharon		T	.08	T	T				.03	T	.45								T						.25	.35	.10			T	.34		1.60
Sherwood		.25	.05					T	.24	.12		T	T						T						1.45	T	T				.12		2.23
Sheyenne	R								.05	.16	.23														.64	.05	.03			.18	.08		1.42
Stanley		T							.46										T	T					.84	T		T		T			1.30
Steele		T	T		T			T		T	.40	T							.05						.54	.05	T	T		.22	.06		1.32
Tague		.05	.01	.01				T	.12	.01		T	T						.01					.04	1.25	.16	T	T		T	.10		1.78
Tioga		.10			T				.25										T					*	.75					.15			1.25
Towner		.05							.21										T						.59	T	T		.17		.28		1.30
Trotters		.03		T	T			.08	.02		T								T	T					.81					.27	.01		1.22
Trotters Gen Store	R	.11						.12	.37															*	1.40					.14	.05		2.19
Turtle Lake		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-		-
Tuttle 8 SW		.18							.02	.03	.52													.05	.24	T				.14	.04		1.22
Underwood 12 W		T	T	T				T	.07	T	T	T							T	T			T	.15	T	.64	T			T	.14		1.00
Upham Wildlife Ref		.07	.20						.35	T														T	.15	T	T	T			.18		.93
Valley City			.09		.02				T	.20	.04														.15	.27	.02			.28			1.07
Van Hook		.04		.03					.11										T	T				T	.85	T				.02	.08		1.11
Velva		.02	T	T	T			T	.15			T	T						.02					.02	.67	.05	T			.03	.17		1.13
Verona		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.68			-
Wahpeton Pwr Pl	R	.04	.06							.09	.11	.05						.04		.05					*	.42	.01		-	-	-		-
Wahpeton St. Sch		.05	.07		.03				T	.06	.07								.03	.05					.22	.17	.21			.10	.27		1.33
Washburn		T						T	.08		.16	T	T						T						.91	T	T		.	.18	.12		1.45
Watford City		.08		T	.07			.02	.36																1.52					.21			2.28
Westhope		.05	T						.41										T						.74						.18		1.38
Wildrose		.09		.02					.15										T						.96						.09		1.31
Williston WB City	Z	.06	T	.01	.06			.01	.16		T								T	T				.24	.82					.08	.02		1.46
Willow City		.20	T						.14	.07									T					T	.10			T			.19		.70
Wilton R R Sta				.03					.05	.06	.26		T											.24	.50	.39	T				.31		1.84
Wishek			.05			T			.02	T	.32	.02	T							T					.12	.15	T				.24		.92

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA
APRIL 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
AMIDON																		.08	.02						.10
ASHLEY //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALFOUR														.01	.01			.01	.04	.01		.01	.01		.10
BEACH																		.02	.01						.03
BOWMAN COURT HOUSE //																		.10	.04	.01					.15
BREIEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARSON																			.10	.06					.18
DAWSON																					.01				.01
DEVILS LAKE WE CITY																	.01	.01	.03	.02	.03		.05	.02	.17
OICKINSON CAA									.01	.01	.03	.02	.01	.01				.02	.01	.01					.13
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESMOND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPOET //																				.07	.06	.06	.04	.07	.30
FORT YATES														.02	.02					.05	.16	.06		.01	.32
GLEN ULLIN											.03	.02	.02	.01				.02	.09	.01					.20
GOLVA 1 S E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA //																				.04	.03	.03	.01	.02	.13
GRANO //														.02	.06	.07	.05	.02			.01	.01	.01		.25
HANNAFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAYNES 6 NE																				.16	.04				.20
HAZELTON R E STATION //														.01	.01	.02				.01	.02	.02		.01	.10
HETTINGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD																		.01			.01		.01		.03
JAMESTOWN CAA //		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
KRAMER 5 SE													*	*	*	*	*	*	*	.14	-	-	-	-	-
MANDAN EXP STATION												.02	.01	.01	.01			.03	.03						.11
MC GREGOR RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MELVILLE																		.01	.01	.01	.01				.04
MINOT CAA //													*	*	*	*	*	*	*	*	*	*	.40		.40
MOTT																	.02	.16	.06	.02		.01	.01		.30
NAPOLEON 1 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES																			.01		.01		.01	.03	.06
PEMBINA CAA //																					.06	.03	.01	.03	.13
PETTIBONE								.01		.01					.01	.02	.02	.03	.01	.01	.01			.01	.14
RAUB //											.02	.02	.03						.05						.12
RICHARDTON ABBEY										.02	.02	.01					.01	.08			.01	.01			.16
EIVERDALE	.02		.01										.02		.01				.02						.08
EOLETTE																.02	.02	.09	.05	.05		.05	.11	.02	.41
SARLES 3 E //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEARING //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TROTTERS GEN STORE																.07	.04								.11
WAHPETON POWER PLANT																								.04	.04
WILLISTON WB CITY									.03	.02						.01									.06
—2d—																									
AMIDON		.01		02																					.03
OAWSON			.01	.01																					.02
DEVILS LAKE WB CITY	.03	.02	.01																						.06
FARGO WB AIRPOET //	.04	.02	.02	.03																					.11
GRAND FORKS CAA //	*	*	*	*	*	*	.09				.01	.01			.01	.01					.01				.14
HURDSFIELD		.01	.02																						.03
JAMESTOWN CAA //	.06																								.06
KRAMER 5 SE	-	-	-	-	-	-	-	-	-																-
MINOT CAA //		.01	.01			.01																			.03
MOTT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES	.02																								.02
PEMBINA CAA //	.09	.08	.05	.04	.02	.05	.04																		.37
EIVERDALE	.01	.01																							.02
EOLETTE	.02	.0																							.03
WAHPETON POWER PLANT	.01	.02	02	.01																					.06
—3d—																									
AMIDON														.01	.02		.01	.01							.05
BOWMAN COURT HOUSE //																			.02	.01					.03
OICKINSON CAA									.01	.01	.02	.01													.05
FARGO WB AIRPORT //																			.01	.02	.01	.01			.05
HAYNES 6 NE															.02	.03									.05
RAUB //									.02	.02	.01														.05
WILLISTON WB CITY																.01									.01
—4th—																									
AMIDON																			.02						.02
FARGO WE AIRPOET //			.01							.01															.02
WILLISTON WB CITY			.02	.03			.01																		.06
—5th—																									
PETTIBONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—6th—																									
PEMBINA CAA //																			.01	.01					.02
—7th—																									
BALFOUR																							.01	.01	.02
BEACH		.02	.02	.03	.01	.01	.04	.01																	.14
6ISMARCK WB AIRPOET										.01	.02	.03	.02	.01											.09
BOWMAN COURT HOUSE //			.03	.11	.03			.01																	.18
CARSON							.03	.02	.01																.06
OICKINSON CAA			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GLEN ULLIN																				.01	.01		.01	.01	.04
RICHARDTON ABBEY						.02			.03																.05
TROTTERS GEN STORE				.02					.05	.02	.01	.02													.12
WILLISTON WE CITY												.01													.01
—8th—																									
AMIDON	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
BALFOUR	.03	.01	.03	.01	.01				.01	.02															.12
BEACH	.02	.01	.02	.01						.01	.02	.01													.10
EISMARCK WE AIRPORT							.01	.02	.02	.01		.01							.01	.01	.02	.04		.01	.16
BOWMAN COURT EOUSE //	.01	.02	.02					.01	.03	.01								.06		.01					.17
CARSON						.01	.01	.01							.02										.05
DEVILS LAKE WE CITY													.01	.02	.05	.06	.02	.04	.02	.03					.27
OICKINSON CAA	*	*	*	*	*	*	*	*	*	*	*	*	*	.76	.06	.08	.06	.07	.01	.09	.05	.01	.01	.02	1.24
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-																-
FARGO WB AIRPOET //																						.01			.01
FORT YATES													.04	.06											.10
GLEN ULLIN		.01		.01	.02	.01	.01																		.06
GRAND FORKS CAA //															.01	.08	.08	.04	.05	.05	.05	.02	.01	.01	.40
GRANO //									.01	.03	.03	.01	.04	.01	.03	.03	.04		.01	.01			.01		.26

See reference notes following Station Index.

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
HAYNES 6 NE								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HURDSFIELD															*	*	*	*	*	*	*	*	*	*	*	*
KRAMER 5 SE														.02	.02	.04	.05	.03	.06							.22
MANDAN EXP STATION																						.02				.02
MELVILLE			.01																							.01
MINOT CAA	//									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.50	.50
PEMBINA CAA	//																		.01	.04	.03	.04	.01	.04	.04	.21
RAUB	//						.01	.02	.02	.03	.02			.01	.02	.01	.04	.01	.01							.20
RICHARDTON ABBEY			.03	.02		.03	.01						.01	.01	.03					.07	.01			.01	.01	.24
RIVERDALE									.01	.01		.01		.01	.01							.01	.01		.01	.08
ROLETTE															.04	.03	.08	.08	.04	.08		.02	.05	.03	.04	.49
SHEYENNE													.01	.01	.01	.02										.05
TROTTERS GEN STORE		.04	.04	.02	.06	.06	.02	.02			.01	.07	.02	.01												.37
WILLISTON WB CITY						.01	.01	.01	.03	.06	.01			.01	.01	.01										.16
														–9th–												
AMIDON		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.50							.50
BISMARCK WB AIRPORT														.01	.01	.05	.10	.07	.08	.02	.04	.02	.03	.05	.03	.51
BOWMAN COURT HOUSE	//									.02	.01						.01	.01	.04	.01						.10
CARSON															.04	.14	.06	.04	.03	.09	.10	.05	.02	.04	.03	.64
DAWSON														.05	.05	.02	.01					.01		.01		.15
DEVILS LAKE WB CITY					.01													.03	.03	.03	.03	.03	.01	.01		.18
DICKINSON CAA			.01		.02																					.03
EDGELEY EXP FARM														*	*	*	*	*	*	*	*	.01				.01
FARGO WB AIRPORT	//																	.07	.02					.02	.02	.13
FORT YATES												*	*	*	*	*	*	*	*	.20					.05	.25
GLEN ULLIN																	.01	.02	.04	.05	.04	.02				.18
GRAND FORKS CAA	//	.01													.01	.04	.03	.01	.05	.05						.20
GRANO	//		.01		.02																					.03
HAZELTON R R STATION	//													.05	.05	.03			.01		.01			.01	.02	.18
JAMESTOWN CAA	//											*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
KRAMER 5 SE				.01	.02	.01																				.04
MANDAN EXP STATION															.08	.12	.07	.06	.04	.03	04	.03	.04	.01	.01	.53
MELVILLE															.01	.01									.01	.03
MINOT CAA	//	.01	.01							.01	.03															.06
OAKES																.02	.04	.01				.01		.01	.01	.10
PEMBINA CAA	//	.02	.07	.02	.01									.03	.02										.02	.19
RIVERDALE									.02																	.02
ROLETTE		.03	.01	.01	.01																					.06
SHEYENNE																	.05	.02	.01	.01	.03	.01	.01		.02	.18
WAHPETON POWER PLANT																.05	.04									.09
														–10th–												
BALFOUR															.01	.01	.01									.03
BISMARCK WB AIRPORT		.03	.12	.10	.04	.01																				.30
BOWMAN COURT HOUSE	//									.02	.02	.03														.07
CARSON		.08	.01				.03	.01				.01	.01	.01												.14
DAWSON			.10	.05	.04	.05	.01		.01	.03	.01															.30
DEVILS LAKE WB CITY		.06	.03	.01	.02	.03																				.15
EDGELEY EXP FARM				.06	.01	.01	.02																			.10
FARGO WB AIRPORT	//	.01	.01	.02	.01							.02														.07
FORT YATES		.08	.07	.02	.03				.03	.02																.25
GRAND FORKS CAA	//					.08	.09	.03	.01	.02	.02	.02														.27
HAYNES 6 NE		*	*	*	*	*	.42																			.42
HAZELTON R R STATION	//	.07	.13	.06	.02	.05	.02																			.35
HURDSFIELD		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.80					.80
JAMESTOWN CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.71									.71
MANDAN EXP STATION		.06	.08	.03																						.17
MELVILLE		.01	.03	.06	.02		.01	.02	.03	.03	.06	.01	.01													.29
OAKES		.01	.01							.01	.01															.04
PEMBINA CAA	//			.02	.01	.03	.04	.03	.02																	.15
SHEYENNE		.02	.04	.03	.04	.04			.04	.02																.23
WAHPETON POWER PLANT		.01					.02	.02		.01		.02	.02	.01												.11
														–11th–												
PETTIBONE		-	-	-	-	-	-	-	-	-	-	-	-													-
WAHPETON POWER PLANT											.02	.02	.01													.05
														–12th–												
ASHLEY	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-
														–15th–												
NAPOLEON 1 SE		-	-	-	-	-	-	-	-	-	-	-	-	-												-
														–16th–												
BREIEN		-	-	-	-	-	-	-	-	-	-	-	-													-
														–17th–												
GOLVA 1 S E		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT																					.04					.04
														–18th–												
BOWMAN COURT HOUSE	//		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05							.05
FARGO WB AIRPORT	//																.02	.03				.01	.01			.07
GRANO	//										.01		.01													.02
HURDSFIELD							.02	.01	.01	.01																.05
MINOT CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.08								.08
														–19th–												
FARGO WB AIRPORT	//	.01	.01	.01																						.03
WAHPETON POWER PLANT		.02	.01							.01	.01															.05
														–22d–												
BREIEN																								.02	.01	.03
HAZELTON R R STATION	//																								.01	.01
														–23d–												
AMIDON																				.04	.01	.15	.07		.08	.35
BEACH																			.15	.35	.20	.34	.05	.06	.07	1.22
BISMARCK WB AIRPORT			.05		.01																	.02	.08	.01	.02	.19
BOWMAN COURT HOUSE	//																			.02	.09	.07	.15		.07	.40
BREIEN		.02																					.04	.01	.03	.10
DICKINSON CAA																					.06	.01	.07	.14	.03	.31
EDGELEY EXP FARM							.01	.02																		.03
FORT YATES																								.01	.10	.11

See reference notes following Station Index.

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
GLEN ULLIN																				.02	.16	.02	.03	.04	.29
GOLVA 1 S E																	*	*	*	*	*	*	*	*	*
GRANO //																							.02	.02	.04
HAZELTON R R STATION //	.08	.02	.02																					.04	.16
HURDSFIELD							.01	.02	.03		.01	.01										.02	.05	.04	.19
MANDAN EXP STATION	.02	.02	.01																	.06	.08	.01		.04	.24
MELVILLE										.01	.01														.02
MINOT CAA //			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NAPOLEON 1 SE	.11	.03	.01																					.01	.18
OAKES						*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
RAUB //																						*	*	*	*
RICHARDTON ABBEY																				.18	.05	.06	.10	.05	.44
RIVERDALE		.01	.05	.04	.10	.02		.03													.09	.13	.13	.09	.69
TROTTERS GEN STORE																		*	*	*	*	*	*	*	*
WILLISTON WB CITY																				.03	.06	.04	.06	.05	.24
—24th—																									
AMIDON	.05	.01	.03	.01	.05			.02	.05	.06	.02		.01					.02							.33
ASHLEY //				.04	.05			.04	.01																.14
BALFOUR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.7S	.75
BEACH	.03	.05	.03	.02	.02	.01	.03	.04	.07	.01	.03		.01	.02	.01										.3B
BISMARCK WB AIRPORT	.01	.01	.03	.04	.01	.01	.01			.05	.03	.02		.01			.01		.01						.25
BOWMAN COURT HOUSE //	.09	.02	.05		.01				.01	.01	.01			.02			.03	.01							.26
BREIEN	.01	.01									.01	.01	.05	.02	.03			.04	.03	.03	.01	.01			.26
CARSON									.02	.01	.01	.01	.03	.01	.01										.10
DAWSON	.01	.02	.01												.01	.04	.01	.02	.01	.01					.14
DEVILS LAKE WB CITY							.06	.07	.07	.07	.07	.07	.07	.07	.0S			.02	.01	.01	.01				.65
DICKINSON CAA	.16		.02	.03	.02	.03	.01	.04		.01	.03	.01		.01		.01	.01	.01	.01						.41
EDGELEY EXP FARM			.01	.01	.01	.03	.04	.03				.01		.01							.04	.03		.01	.23
FARGO WB AIRPORT //									.05	.06	.05	.04	.05	.03									.02	.03	.33
GLEN ULLIN	.05		.01						.04	.01								.01							.12
GOLVA 1 S E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.25										1.25
GRAND FORKS CAA //									.01	.02	.02	.01		.01	.01	.02	.01					.02	.02	.02	.17
GRANO //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.64	.03	.01	.02	.01		.01	.01	.02	.75
HAZELTON R R STATION //	.06		.01	.02	.01	.01																			.11
HURDSFIELD	.01		.03	.03	.06	.03	.05	.05	.03		.01	.01		.01	.01	.03	.03	.02	.03	.01					.45
JAMESTOWN CAA //		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
KRAMER 5 SE		.01	.01	.02	.02	.04		.01								.02	.06	.02							.21
MANDAN EXP STATION	.01	.05	.0S		.02			.03	.03	.01	.01		.01	.01		.01	.02								.26
MELVILLE						.02	.0S	.04	.05	.03	.01	.01		.01	.01	.03			.01	.02	.02				.31
NAPOLEON 1 SE	.06	.02			.01	.01	.02	.01																	.1S
PEMBINA CAA //																							.01	.02	.03
PETTIBONE																						.01		.01	.02
RAUB //	*	*	*	*	*	*	*	*	*	*	.74	.03	.02	.01	.01	.01	.01	.01	.03						.B7
RICHARDTON ABBEY	.0S	.03	.02				.06	.0S	.0S	.0S	.0S			.05					.02						.43
RIVERDALE	.06	.02							.02																.10
ROLETTE																.01	.01	.01	.01	.01			.01	.01	.07
SHEYENNE						.04	.09	.07	.10	.07	.04	.04			.01		.02	.04	.02	.03	.02	.02	.01	.02	.64
TROTTERS GEN STORE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.40					1.40
WAHPETON POWER PLANT										.10	.06	.08	*	*	*	*	*	*	*	*	*	*	*	*	*
WILLISTON WB CITY	.07	.04	.06	.09	.16	.16	.13	.03	.01	.01	.01	.01			.01	.02			.01						.62
—25th—																									
BREIEN	.01																								.01
CARSON	.01	.03	.01				.01	.01					-	-	-	-	-	-	-	-	-	-	-	-	-
DEVILS LAKE WB CITY	.01	.01					.01								.01	.01				.01			.01		.07
FARGO WB AIRPORT //	.01	.01							.02	.01	.01	.01	.01		.02	.02	.01	.04	.10	.0S			.02		.34
GRAND FORKS CAA //	.01		.01		.01					.01		.01					.01					.01			.07
GRANO //	.01	.02	.01	.01				.02	.01					.01	.01										.10
HAZELTON R R STATION //															.04	.02	.03		.01	.02	.01				.13
KRAMER 5 SE	.01				.01		.01																		.03
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.62	1.62
OAKES	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.32							.32
PEMBINA CAA //	.01	.01																	.02			.01	.01		.06
PETTIBONE	.01	.01	.02	.0S	.09	.07	.09		.01						.01	.02	.01	.01	.03	.01					.44
RICHARDTON ABBEY									.02	.02	.01	.01													.06
RIVERDALE									.01	.03															.04
ROLETTE							.01		.01																.02
SHEYENNE		.02											.01		.01									.01	.06
WAHPETON POWER PLANT	*	*	*	*	*	*	*	*	.15														.01	.02	.42
—26th—																									
DEVILS LAKE WB CITY			.01				.01							.01						.01	.01				.05
FARGO WB AIRPORT //	.02	.02									.01														.06
GRAND FORKS CAA //				.01					.02	.01	.02	.02													.06
GRANO //									.02					.01											.03
JAMESTOWN CAA //	*	*	*	*	*	*	*	*	*	*	*	*	.61											.01	.62
MINOT CAA //		.01	.01	.01																					.03
PEMBINA CAA //	.01	.01	.01																						.03
SHEYENNE											.01								.01		.01				.03
WAHPETON POWER PLANT	.01																								.01
—28th—																									
BOWMAN COURT HOUSE //																			.04				.01		.05
HAYNES 6 NE																		*	*	*	*	*	*	*	*
WAHPETON POWER PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—29th—																									
AMIDON							.0S			.01	.02	.01	.01												.10
ASHLEY //														*	*	*	*	*	.25						.25
BALFOUR																	.01	.01	.02	.01	.01	.02	.02	.02	.12
BEACH							.02	.02	.01	.01	.01	.01	.01	.01										.01	.11
BISMARCK WB AIRPORT												.01	.01	.01	.02	.01	.01	.01	.01	.02	.02	.01	.02	.02	.1B
BOWMAN COURT HOUSE //	.01	.01	.02	.01	.03	.02	.01	.03	.02	.03	.01	.03	.02	.02	.02	.01								.01	.31
BREIEN										.01	.01	.02	.01	.03	.01			.01		.01	.02			.01	.14
CARSON	-	-	-	-	-	-		.01	.04	.02	.03	.05	.05	.03	.02	.03	.02			.02	.02	.01			-
DAWSON								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DEVILS LAKE WB CITY																					.05	.05	.04	.02	.1B
DICKINSON CAA									.01	.01	.01	.0S	.03	.02	.02	.01		.01	.01	.01	.01	.01	.01		.22
EDGELEY EXP FARM													.03	.03	.0S	.02	.04	.0S	.04	.03	.02	.01	.01	.01	.34
FARGO WB AIRPORT //																				.02	.03	.06	.04	.01	.16
FORT YATES										.03	.04	.03	.04	.0z	.04	.02	.02	.01	.02	.01	.01	.01			.30
GLEN ULLIN											.04	.05	.04	.03	.04	.04	.06		.01	.04	.01	.01	.01	.01	.39
GOLVA 1 S E									.02	.01	.02		.01	.01			.01								.06
GRAND FORKS CAA //																						.02	.03	.0B	.11
GRANO //																						.01	.02	.02	.05
HAYNES 6 NE	*	*	*	*	*	*	*	*	*	*	*	*	*	.08	.01	.01						.01		.01	.12
HAZELTON R R STATION //													.0S	.0S	.02	.02	.04	.01	.02	.01	.01	.01		.01	.25
HURDSFIELD																.02	.03	.02	.03	.01	.02	.02	.03	.02	.20
JAMESTOWN CAA //															.01	.03	.07	.07	.09	.07	.04	.02	.01	.03	.44
KRAMER S SE																					.01	.03	.04	.02	.10
MANDAN EXP STATION												.03	.01	.02	.01	.01		.01	.01	.03			.02	.01	.16

See reference notes following Station Index.

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MELVILLE																			.02	.02	.01	.02	.01	.02	.02	.12
MINOT CAA	//															*	*	*	*	*	*	*	*	*	*	*
NAPOLEON 1 SE													.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.02	.15
OAKES															.03	.04	.06	.05	.04	.04	.01	.03	.01	.03	.02	.36
PEMBINA CAA	//																								.04	.04
RICHARDTON ABBEY											.02	.03	.03	.02	.01	.03	.01		.01	.03	.01			.01		.21
ROLETTE																								.02	.02	.04
SHEYENNE																				.02	.04	.03	.03	.04	.02	.18
TROTTERS GEN STORE									.01	.01	.01	.01	.01	.03	.02	.04										.14
WILLISTON WB CITY																							.01	.02	.05	.08
														—30th—												
AMIDON																	.01	.01		.02		.01				.05
ASHLEY	//										.01	.06														.07
BALFOUR		.02	.01																							.03
BEACH		.01	.02	.01																						.04
BISMARCK WB AIRPORT			.01		.01		.01																			.03
BOWMAN COURT HOUSE	//		.01	.01	.01	.01				.01																.05
DAWSON		*	*	*	*	*	*	*	*	*	*	*	*	*	*	.10										.10
DEVILS LAKE WB CITY			.02	.02	.02	.02															.01	.02				.11
DICKINSON CAA			.01	.01					.03																	.05
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//	.01	.03	.03																.01	.01	.03				.12
GLEN ULLIN		.01																								.01
GOLVA 1 S E						.01	.01	.02	.02	.01																.07
GRAND FORKS CAA	//	.02	.02		.01	.01	.01			.02	.01	.01			.01											.12
GRANO	//	.02	.01	.02	.03	.02			.01	.01		.01	.02								.02				.01	.18
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAYNES 6 NE			.01																							.01
HAZELTON R R STATION	//	.02	.02																							.04
HETTINGER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD		.01	.03	.01	.02				.01	.01																.09
JAMESTOWN CAA	//	.01	.01																							.02
KRAMER 5 SE		.03	.02		.01	.01	*	.03																		.10
MANDAN EXP STATION		.01		.01																						.02
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MELVILLE		.02	.01					.01	.01	.01		.01														.07
MINOT CAA	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.28	.28
MOTT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES		.01	.01																							.02
PEMBINA CAA	//	.03	.02	.01				.01	.01	.03		.01														.12
PETTIBONE		.01	.01	.02	.01		.01	*	.04	.01	.01	.02	.01	.01	.01	.01			.01							.19
RAUB	//	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.25	.25
RICHARDTON ABBEY		.01	.02	.01																						.04
RIVERDALE							*	*	*	*	*	*	*	*	*	*	*	*	.18							.18
ROLETTE		.01	.01	.01	.02					.01	.01	.01														.08
SARLES 3 E	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEARING	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHEYENNE		.02	.03	.02			.01																			.08
TROTTERS GEN STORE									.01	.02	.01	.01														.05
WAHPETON POWER PLANT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY		.01	.01																							.02

See reference notes following Station Index.

Table 5

DAILY TEMPERATURES

NORTH DAKOTA
APRIL 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7SW	MAX	31	35	33	32	34	40	32	28	34	31	35	30	32	40	51	57	61	43	42	48	66	58	48	40	29	30	36	35	31	34		39.2
	MIN	18	18	22	19	17	27	16	15	27	27	27	12	12	19	32	36	36	33	29	29	32	35	34	26	21	19	22	21	26	20		24.2
AMENIA	MAX	38	37	34	36	39	48	42	27	31	32	31	26	33	43	62	66	71	58	43	46	55	61	54	49	35	30	32	38	39	41		42.6
	MIN	25	32	29	26	21	29	21	19	20	27	23	9	12	22	31	34	32	38	31	27	29	36	35	32	27	23	23	20	27	26		26.2
AMIDON	MAX	43	43	34	33	32	51	46	28	34	35	36	32	35	42	58	59	66	58	47	49	67	61	67	40	36	36	38	43	36	35		44.0
	MIN	13	30	23	13	14	22	15	13	25	25	20	17	16	22	32	35	40	27	27	25	33	33	35	27	20	19	21	21	24	12		23.3
ARVILLA STATE PARK	MAX																	61	52	42	45	55	53	47	46	33	28	32	34	37	39		
	MIN																	21	31	24	21	17	32	27	25	20	17	17	16	21	24		
ASHLEY	MAX	25	29	27	27	28	35	19	23	29	31	26	25	38	48	60	60	72	53	41	46	66	62	51	50	46	29	30	36	32	33		39.2
	MIN	23	19	23	23	20	27	19	21	25	24	22	12	13	20	33	35	35	35	29	25	30	32	35	31	23	18	22	28	25	20		24.9
BEACH	MAX	49	42	33	32	39	55	43	30	40	35	39	35	41	51	62	60	63	45	44	57	66	64	57	42	33	35	38	34	30	36		44.3
	MIN	22	30	26	23	20	27	15	15	25	26	21	22	21	27	33	37	40	32	27	24	32	33	40	26	18	19	21	22	26	21		25.7
BELCOURT INDIAN RES	MAX	32	32	34	35	36	41	34	19	33	32	30	25	32	40	51	52	60	45	41	43	61	52	40	37	28	29	34	36	33	35		37.7
	MIN	19	24	18	17	11	21	2	8	15	23	16	5	- 1	17	27	32	30	30	23	18	27	31	30	28	20	18	16	13	18	24		19.3
BELFIELD	MAX	41	35	35	36	35	50	36	28	40	33	40	31	34	48	57	60	65	64	46	45	66	65	59	46	33	34	39	36	33	36		43.5
	MIN	14	26	18	15	8	21	13	13	23	24	21	18	15	22	32	33	34	32	29	23	31	30	34	25	18	18	21	21	23	14		22.3
BISBEE	MAX	33	35	31	35	38	43	34	19	32	32		24	42	51	53	54	64	51	43	48	62	58	47	40	29	29	36	39	35			40.6
	MIN	20	28	24	21	15	26	7	11	19	27		7	17	21	29	35	31	34	27	27	32	33	32	28	23	21	20	22	20			23.5
BISMARCK WB CITY	MAX	37	40	35	36	40	48	40	28	35	33	33	33	38	50	53	59	68	53	43	50	69	66	54	43	33	31	36	35	32	36		42.9
	MIN	20	12	21	24	20	31	19	13	27	29	23	9	11	24	33	36	35	36	31	28	33	33	38	28	24	20	23	24	26	24		25.2
BISMARCK WB AIRPORT	MAX	40	40	34	35	40	47	34	32	36	33	34	23	39	50	52	59	67	44	43	50	69	60	54	42	29	31	35	38	32	37		42.0
	MIN	20	29	21	24	19	30	15	18	29	28	23	8	9	23	34	33	32	36	32	28	33	32	37	28	23	20	24	23	26	22		25.3
BOTTINEAU	MAX	35	35	36	38	40	43	36	19	34	34	33	26	36	47	57	56	63	52	44	51	60	56	49	43		39	39	40	40	37		42.0
	MIN	22	25	13	20	15	22	7	13	16	19	19	5	16	22	31	30	27	33	19	30	32	31	33	30	22	21	18	18	15	27		21.7
BOWMAN COURT HOUSE	MAX	39	39	34	32	35	47	47	28	31	32	36	35	36	46	46	55	66	52	43	53	67	64	58	53	36	37	39	39	33	36		43.1
	MIN	15	32	23	12	12	24	13	13	27	27	22	20	17	24	24	33	37	32	28	27	32	35	38	28	22	29	23	23	24	13		24.3
BUTTE	MAX	34	37	35	37	39	47	37	21	39	35	33	31	33	44	57	58	67		44	49	69	60	52	44	29	29	32	35	34	37		41.3
	MIN	22	29	21	29	19	27	12	16	21	28	21	6	13	21	34	37	35		28	25	34	37	35	29	20	13	14	15	26	24		23.8
CARRINGTON	MAX	33	37	32	32	34	34	40	26	47	31	29	33	33	31				63	42	42	49	63	64	56	33	33	31	34	35	34		38.9
	MIN	20	20	25	24	19	20	15	12	- 8	22	17	5	5	12				35	29	27	15	15	29	30	24	21	22	17	20	27		19.2
CARSON 2 S W	MAX	33	35	35	36	38	44	32	25	34	33	36	28	35	45	47	53	57	42	40	50	62	60	54	42	31	32	42	38	32	36		40.2
	MIN	13	28	18	10	10	25	14	16	20	25	22	12	10	20	30	33	34	32	27	22	31	35	35	26	20	18	19	22	25	14		22.2
CAVALIER POWER PLANT	MAX	37	32	35	38	37	42	38	26	30	35	31	25	32	39	45	53	52	53	39	45	53	53	48	42	37	31	35	37	40	41		39.4
	MIN	13	27	20	23	11	16	8	8	19	21	17	3	- 4	7	26	35	35	35	29	39	30	39	37	34	26	23	19	21	26	30		22.4
CENTER	MAX	33	40	36	35	35	46	36	28	36	32	33	30	34	43	51	56	64	46	44	48	67	60	54	44	28	29	34	35	32	34		40.8
	MIN	17	29	18	20	12	28	14	14	24	27	20	5	5	18	29	34	28	32	28	23	30	28	33	25	20	15	17	19	25	20		21.9
COOPERSTOWN	MAX	34	36	33	34	37	46	40	22	30	31	32	27	33	43	52	56	63	55	42	46	57	58	52	45	33	32	32	36	36	38		40.4
	MIN	22	29	24	23	11	27	12	15	20	24	18	3	4	16	30	35	31	35	30	25	32	35	34	29	25	22	19	17	25	26		23.3
CROSBY	MAX	35	38	31	35	36	39	42	22	31	39	30	37	33	43	54	61	55	59	44	46	52	62	58	59	31	35	34	37	41	34		41.8
	MIN	26	26	20	20	22	24	12	12	16	20	23	14	15	22	29	36	32	33	28	25	27	34	37	30	20	19	23	22	26	24		25.6
DEVILS LAKE W B CITY	MAX	33	35	32	34	37	45	26	22	31	32	30	23	32	41	51	56	63	42	42	46	60	53	45	38	28	29	34	37	36	37		38.3
	MIN	24	27	23	24	19	26	8	12	22	26	12	6	10	18	33	36	34	33	29	27	32	35	35	27	23	22	21	23	27	26		24.0
DICKINSON CAA	MAX	39	36	31	32	32	50	31	28	36	32	40	27	33	40	56	58	68	43	44	48	67	61	56	37	31	32	37	34	29	35		40.8
	MIN	11	26	18	15	10	23	14	14	28	26	24	14	11	20	32	35	35	31	28	27	32	34	35	24	20	20	24	23	24	16		23.1
DICKINSON EXP STATION	MAX	35	38	34	35	35	34	45	21	30	35	32	38	28	37	46	60	60	67	45	44	51	68	63	57	31	31	35	38	36	29		41.3
	MIN	12	25	20	19	10	14	16	14	20	28	24	17	15	22	26	33	34	32	28	22	31	31	40	30	20	20	24	22	26	19		23.1
DRAKE	MAX	38	44	36	36	37	39	57	28	32	35	32	36	28	35	46	53	65	83	42	48	59	68	74	58	42	30	29	35	35	34		43.8
	MIN	22	25	22	25	21	28	14	12	18	29	23	10	13	18	27	32	33	35	28	23	33	35	37	30	20	15	16	15	22	22		23.4
DUNN CENTER	MAX	36	40	35	37	41	37	45	25	33	36	32	38	31	37	46	60	60	66	46	46	52	67	63	58	32	33	35	38	37	34		42.5
	MIN	15	20	21	16	12	23	15	13	19	29	27	15	15	22	29	33	31	32	28	21	27	30	33	30	18	8	12	11	20	20		21.5
DUNSEITH ST SANITARIUM	MAX	35	33	34	37	39	42	38	29	34	33	31	26	34	43	54	54	63	52	42	49	62	60	50	40	29	30	36	38	36	36		40.6
	MIN	17	25	18	18	11	23	4	17	16	24	16	- 1	2	22	28	40	41	33	24	20	39	33	34	24	20	19	15	15	19	24		21.3
ECKMAN	MAX	39	36	34	36	39	41	45	23	30	39	36	30	34	39	50	59	58	67	44	48	51	66	54	50	32	32	31	37	39	34		41.8
	MIN	22	29	18	22	18	25	10	8	12	26	10	13	12	22	27	35	28	31	27	20	30	32	31	31	20	15	10	17	23	27		21.7
EDGELEY EXP FARM	MAX	36	47	36	35	41	51	28	26	31	31	32	29	36	48	63	61	74	53	45	49	65	64	53	46	35	32	31	38	34	34		42.8
	MIN	24	26	28	24	21	26	18	18	25	27	21	8	10	20	28	35	31	30	30	26	30	31	35	32	25	22	24	20	27	19		24.7
EDMORE 1 W	MAX	31	35	35	33	35	41	33	20	29	33	30	25	29	37	48	52	59	50	39	44	56	52	42	41	32	28	33	35	34	42		37.8
	MIN	7	27	16	17	5	17	6	8	18	24	15	- 2	4	17	31	34	32	33	27	26	32	34	38	27	23	21	19	23	25	27		21.0
ELBOWOODS	MAX	39	41	35	39	36	50	31	24	40	40	35	34	39	44	59	60	68	51	47	54	69	64	58	38	30	32	36	38	34	35		43.3
	MIN	9	10	15	8	10	15	8	6	14	20	19	5	6	17	22	22	30	38	21	12	26	24	33	22	20	5	14	11	16	11		16.3
ELLENDALE	MAX	48	38	40	37	44	53	51	30	32	32	31	31	40	49	67	65	75	56	45	50	64	65	61	51	38	33	32	38	33	40		45.6
	MIN	27	32	28	25	23	26	21	20	28	28	24	12	13	20	28	33	36	40	31	26	25	35	38	33	27	22	27	23	28	25		26.8
EPPING	MAX	40	42	35	38	40	45	38	30	40	36	36	34	39	50	60	58	60	46	46	55	65	62	60	48	40	33	38	38	35	38		44.2
	MIN	23	26	23	22	19	26	14	15	20	23	25	15	11	25	29	37	32	32	27	23	32	35	39	33	17	15	19	23	25	22		24.2
FARGO WB AIRPORT	MAX	35	35	33	34	36	47	39	27	32	32	29	22	32	43	61	63	68	47	40	45	54	59	54	39	33	28	30	36	38	38		40.3
	MIN	25	31	29	27	22	30	24	19	27	26	16	10	13	24	33	34	33	34	30	28	30	35	35	33	27	24	24	22	27	27		26.6
FESSENDEN	MAX	30	29	37	34	37	45	42	29	34	35	32	24	33	48	56	60	58	52	46	59	62	60	51	45	32	28	34	36	29	32		41.0
	MIN	18	14	16	20	18	28	18	17	20	23	15	8	12	18	21	30	22	29	29	27	29	31	35	26	23	20	22	24	21	22		21.9
FORMAN	MAX	39	38	37	37	41	50	46	29	31	31	34	29	42	47	64	61	72	45	40	49	60	65	55	47	39	32	31	38	34	38		43.4
	MIN	26	33	29	26	23	28	22	19	28	28	23	10	11	20	30	34	32	37	33	26	29	33	38	23	28	24	22	21	23	23		26.1
FORT YATES	MAX	36	41	35	36	47	52	42	31	34	33	36	31	41	53	56	61	71	56	44	49	71	65	56	44	31	31	37	38	35	36		44.3
	MIN	22	33	23	22	21	30	18	20	29	28	27	9	19	24	35	37	34	25	27	28	34	34	39	31	24	19	21	24	28	26		26.4
FOXHOLM WILDLIFE REF	MAX	36	39	36	39	41	45	41	23	42	38	35	34	40	50	56	56	63	53	51	52	60	51	50	46	33	30	33	37	36	37		42.8
	MIN	22	27	20	20	16	27	9	9	17	25	20	8	12	23	29	41	36	36	24	32	33	34	35	28	21	27	14	17	23	25		23.7
GACKLE	MAX			36	33	39	48	49		30	30	31	28	34	44	56		67	55	40	45	64	65	65	45	32	30	29	35	30	39		42.3
	MIN			28	20	17	28	14	15		25	19	6	9	20	34		33	33	28	26	31	34	34	31	23	21	23	20	24	21		23.7

See reference notes following Station Index.

DAILY TEMPERATURES

Table S-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX	38	37	34	36	38	47	29	28	38	32	35	25	35	45	58	59	62	44	44	52	68	63	51	33	30	29	34	34	31	34		40.8
	MIN	22	27	22	23	20	18	14	15	21	27	22	10	13	23	31	35	34	34	29	24	33	33	33	25	17	10	15	12	25	21		22.8
GRAFTON STATE SCHOOL	MAX	35	35	34	36	38	39	38	25	30	34	28	25	33	38	42	50	49	50	48	43	52	52	50	41	33	30	36	38	41	41		38.8
	MIN	10	25	24	25	13	16	11	10	20	26	18	2	- 5	10	27	33	33	25	30	29	32	38	35	31	27	24	28	22	27	30		22.6
GRAND FORKS CAA	MAX	35	37	31	32	34	42	34	27	30	30	24	18	30	40	52	47	60	42	39	43	53	51	49	40	32	28	30	34	38	41		37.4
	MIN	8	28	25	19	10	25	17	15	22	22	8	1	- 3	8	31	34	33	32	30	28	31	36	34	31	25	24	18	15	24	30		22.0
GRAND FORKS UNIVERSITY	MAX	32	38	32	34	34	41	35	26	31	30	25	19	30	40	50	49	80	48	40	43	52	52	50	46	30	29	30	35	40	40		38.0
	MIN	8	28	25	21	12	24	18	15	22	21	11	2	- 3	9	31	35	36	31	30	28	31	36	34	29	25	24	19	19	28	28		22.8
GRANVILLE	MAX	34	37	37	39	42	47	43	21	40	34	35	32	38	47	58	58	59	54	46	52	68	61	61	43	32	31	35	41	36	36		43.3
	MIN	20	28	20	23	18	26	11	14	20	27	20	8	14	12	32	35	30	34	27	22	30	32	32	25	18	12	10	15	23	23		22.1
GRENORA	MAX	43	38	35	37	40	40	35	38	40	31	35	33	43	53	60	55	60	44	51	60	80	60	56	55	32	35	35	40	35	36		43.8
	MIN	25	27	24	22	20	27	10	14	20	22	25	15	18	27	31	35	34	31	29	32	32	33	33	32	20	18	20	25	26	22		24.9
HANKINSON R R STATION	MAX	45	38	34	35	36	38	49	34	30	32	32	33	27	36	43	60	68	69	47	44	44	56	65	50	40	31	32	32	35	34		41.7
	MIN	24	26	28	22	23	24	29	18	16	27	21	11	12	18	28	34	35	37	31	25	28	38	36	34	28	23	24	20	24	27		25.7
HANNAH	MAX	38	29	33	34	35	41	34		30	31	28	23	31	38	53	52	81	48	41	45	43	55	43	39	27	29	34	36	34	37		36.8
	MIN	10	25	16	16	6	22	5		14	25	16	1	10	18	30	34	28	34	25	25	35	35	33	27	23	20	20	22	25	28		20.8
HANSBORO	MAX	32	32	34	35	37	42	32	19	32	30	28	28	33	40	53	55	63		41	46	61	53	42	40	27	29	34	38	33	35		38.1
	MIN	16	26	18	18	10	24	4	8	17	25	15	4	15	20	29	35	31		26	22	30	35	32	25	22	20	18	18	23	26		21.2
HETTINGER	MAX	40	43	39	38	38	37	44	44	34	36	38	44	38	39	50	52	57	67	45	43	56	62	87	59	43	33	38	42	41	40		44.8
	MIN	8	29	26	13	8	20	18	18	21	28	20	20	16	21	28	35	38	32	27	25	30	33	35	37	23	19	25	24	14	27		24.0
HILLSBORO	MAX	38	31	31	30	35	44	39	26	29	31	28	21	30	44	54	62	67	64	41	38	54	55	51	38	35	30	33	37	38	40		39.9
	MIN	28	26	18	22	16	21	24	17	20	21	20	5	8	19	24	29	31	37	29	27	29	37	34	31	29	22	21	17	24	27		23.8
JAMESTOWN CAA	MAX	35	37	34	35	38	48	33	27	30	31	32	24	34	46	54	58	67	44	43	47	62	81	49	41	30	29	32	37	34	34		40.2
	MIN	26	28	26	24	18	27	15	17	24	26	17	5	11	22	31	35	30	33	30	25	30	34	35	30	24	22	18	20	27	25		24.5
JAMESTOWN STATE HOSP	MAX	37	38	35	31	40	50	44	26	32	32	33	27	35	47	58	59	68	51	43	47	64	60	52	46	33	28	30	37	35	35		41.8
	MIN	26	31	28	24	22	29	16	19	25	26	22	8	11	23	31	35	31	36	31	26	32	36	36	32	26	23	21	22	27	24		26.0
KENMARE	MAX	40	38	34	45	40	46	40	22	42	37	38	34	40	47	60	61	62	50	58	52	65	65	52	47	38	35	41	39	37	40		44.9
	MIN	30	23	30	21	14	27	8	13	16	23	20	8	15	23	30	38	37	33	28	32	25	34	38	28	30	13	22	17	22	30		24.2
KENSAL WILDLIFE REFUGE	MAX	33	36	32	35	37	47	45	23	29	32	33	29	34	44	53	59	65	50	44	49	64	57	46	38	32	28	32	35	34	35		40.4
	MIN	19	28	24	20	17	23	11	14	18	24	18	3	4	18	28	35	27	33	27	22	26	32	33	29	23	20	16	15	26	28		22.1
LA MOURE	MAX	38	37	37	36	43	51	50	27	30	31	33	30	38	50	61	63	75	59	50	47	63	62	53	48	35	30	30	38	35	37		43.8
	MIN	26	31	29	25	22	40	20	18	26	28	22	8	10	24	29	36	37	37	37	25	33	30	35	32	27	23	22	22	27	23		26.9
LANGDON EXP FARM	MAX	36	35	40	38	39	38	34	20	29	35	29	32	28	35	42	48	52	47	38	45	51	50	42	38	33	30	38	38	39	40		38.1
	MIN	4	25	13	14	2	14	4	4	17	23	13	- 8	- 4	8	27	32	28	32	25	23	28	34	32	28	23	20	18	18	21	27		18.2
LARIMORE	MAX	32	37	33	34	35	44	40	25	31	32	30	27	33	40	50	54	62	56	49	46	54	52	49	34	26	32	32	35	41			39.5
	MIN	12	14	22	24	12	22	12	12	20	21	18	2	0	10	30	42	34	36	30	27	31	38	21	25	21	17	16	22	21			21.1
LEEDS	MAX	34	38	35	35	38	47	42	21	33	32	32	27	35	44	57	56	57	52	44	50	63	62	51	42	28	28	37	38	36	40		41.2
	MIN	30	29	21	23	19	28	8	12	20	22	18	7	9	21	31	37	36	34	28	24	34	33	34	28	23	22	20	19	25	28		24.2
LINTON	MAX	35	37	36	36	40	53	47	30	34	34	34	30	40	52	57	60	71	55	44	50	89	64	59	46	32	31	35	38	35	38		44.1
	MIN	21	32	25	25	20	31	18	18	29	28	24	11	17	23	35	30	28	38	31	23	33	31	35	32	23	18	23	20	28	20		25.7
LISBON	MAX	45	38	38	37	38	41	50	27	30	31	32	33	26	38	48	60	65	74	46	45	48	60	64	51	39	30	31	32	37	35		42.4
	MIN	25	31	30	25	23	26	26	20	18	28	23	11	10	19	27	33	28	34	33	22	27	28	36	33	28	24	22	18	27	24		25.4
MADDOCK AGR SCHOOL	MAX	34	35	33	34	38	44	37	21	32	31	32	27	33	40	51	53	61	49	42	48	60	57	49	41	30	29	37	37	35	38		39.6
	MIN	18	29	29	28	15	26	12	13	20	26	17	4	10	20	30	34	30	34	27	23	32	33	32	29	23	20	15	15	22	26		23.1
MANDAN EXP STATION	MAX	35	39	33	33	34	38	45	23	34	35	32	33	24	36	47	51	57	66	42	42	50	68	60	52	36	29	28	35	37	30		40.1
	MIN	19	28	20	23	17	26	16	17	21	29	23	9	7	21	31	37	31	37	30	27	35	33	37	33	22	18	23	22	28	20		24.7
MANDAN FT LINCOLN PARK	MAX	35	40	36	36	40	49	39	29	36	33	35	26	39	51	54	61	71	48	46	51	72	67	56	44	31	30	37	40	32	38		43.4
	MIN	20	31	19	23	18	29	15	17	27	28	21	10	8	22	33	34	32	35	30	26	35	34	37	31	22	18	22	22	26	20		24.8
MARMARTH	MAX	45	44	32	37	40	60	57	37	39	35	45	38		55	63	64	74	45	45	60	70	63	61	46	41	42	43	38	32	43		48.1
	MIN	20	31	28	20	17	20	17	15	29	29	23	20		23	37	35	40	32	28	23	31	33	41	28	25	20	20	25	24	15		25.8
MAX	MAX	36	37	31	35	36	38	45	22	30	37	30	32	27	36	44	58	57	67	42	44	51	67	59	50	30	29	29	32	35	31		39.9
	MIN	20	21	19	20	17	23	14	12	17	28	20	8	17	17	25	32	33	34	28	24	32	34	30	30	20	14	15	17	20	23		22.1
MAYVILLE	MAX	36	36	34	34	36	46	44	25	30	30	30	24	30	42	55	55	68	59	41	45	55	55	50	48	34	37	33	34	37	40		40.7
	MIN	15	31	27	26	18	28	19	18	22	27	22	5	5	17	32	36	33	38	32	28	30	39	33	31	27	24	22	17	25	29		25.2
MC CLUSKY	MAX	33	37	33	34	38	47	33	22	34	32	33	31	32	40	49	54	80	50	41	47	64	60	55	47	29	29	33	35	34	34		39.9
	MIN	16	21	20	22	11	25	7	15	15	21	18	4	6	9	31	35	34	32	25	26	28	35	30	29	21	17	20	18	25	23		21.3
MC HENRY 5 N	MAX	32	35	31	33	35	44	41	21	30	30	30	24	29	41	48	55	82	50	42	46	60	57	48	42	31	28	32	35	35	37		38.8
	MIN	20	28	23	23	13	25	10	13	20	24	17	2	5	17	30	33	30	35	28	23	30	33	33	28	24	21	20	18	24	23		22.4
MC LEOD 3 E	MAX	38	37	38	36	49	48	45	29	32	30	35	30	36	44	60	67	73	64	58	58	56	65	58	49	39	35	34	38	35	33		45.0
	MIN	28	31	28	28	30	29	23	18	22	25	22	10	12	20	30	32	30	34	32	26	23	36	35	32	26	26	21	24	26	20		25.9
MEDORA T R N M P	MAX	43	45	37	36	39	55	51	30	40	35	41	36	40	50	63	63	67	54	46	68	68	63	59	53	35	37	38	36	34	38		46.7
	MIN	18	32	25	22	15	27	18	16	29	28	28	22	20	27	29	30	32	33	29	31	31	30	44	29	16	20	20	24	27	18		25.5
MINOT CAA	MAX	37	36	33	36	38	44	23	24	36	32	32	28	35	45	56	56	65	42	44	50	66	60	47	36	29	27	33	37	32	33		39.7
	MIN	21	26	18	21	18	23	12	15	24	26	20	11	14	24	34	35	34	34	28	24	34	34	36	25	16	13	13	15	22	25		23.2
MINOT EXP FARM	MAX	34	40	34	36	38	44	39	21	36	35	32	30	35	45	57	56	85	52	45	52	66	60	58	44	29	28	33	36	33	32		41.5
	MIN	20	27	15	20	19	28	11	14	18	25	19	10	14	22	32	36	33	32	27	24	38	31	34	27	18	10	10	13	20	26		22.4
MOHALL	MAX	32	36	35	38	40	44	35	18	40	37	35	29	39	48	58	55	84	43	46	52	66	61	53	43	31	28	38	39	34	36		41.8
	MIN	23	28	19	21	19	27	3	14	18	28	22	10	16	23	28	39	37	32	27	22	38	35	34	28	20	13	12	14	23	24		23.2
MOTT	MAX	36	35	34	35	35	45	35	29	34	33	37	30	35	42	50											33	38	36	32	38		
	MIN	8	29	23	15	10	25	14	16	27	29	25	17	13	21	28											22	24	24	25	13		
MUNICH 4 SW	MAX	29	31	31	32	33	38	35	17	28	30	28	28	29	36	48	50	59	51	38	44	55	52	41	40	28	27	33	36	33	40		38.6
	MIN	14	27	19	19	12	18	6	8	17	24	16	3	10	19	29	33	31	33	25	25	30	33	33	28	23	21	20	23	25	28		21.7
NAPOLEON 1 SE	MAX	33	36	33	33	38	49	43	26	31	32	32	27	35	44	54	57	66	50	40	49	65	59	54	43	31	29	31	35	32	34		40.7
	MIN	17	29	22	20	13	26	14	16	25	25	18	3	7	19	34	37	33	35	29	25	31	31	35	30	22	15	22	16	28	22		23.2
NEW ENGLAND	MAX	38	40	35	35	36	49	41	28	35	33	37	34	36	44	55	58	66	52	44	50	87	62	59	47	34	34	39	35	34	36		43.1
	MIN	10	31	22	15	7	22	15	15	27	27	21	18	12	22	30	35	34	32	28	27	30	32	38	30	23	22	22	23	25	13		23.6
NEW SALEM 1 S	MAX	34	35	32	31	34	38	32	27	35	32	36	22	33	45	44	57	62	42	45	51	67	57	51	40	29	32	35	33	30	35		38.2
	MIN	28	28	20	20	22	25	13	15	25	26	20	8	10	23	20	35	34	33	32	34	38	34	35	26	17	19	20	25	26	23		24.5

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
OAKES	MAX	45	39	36	38	37	44	53	26	30	32	31	34	28	41	51	65	65	72	44	42	48	63	64	46	47	32	32	31	37	32		42.9
	MIN	25	29	29	25	22	23	24	19	19	28	23	11	11	16	25	34	30	36	32	25	25	32	36	33	27	23	24	22	26	24		25.3
PARK RIVER	MAX	34	35	32	35	36	38	36	23	29	33	30	30	30	36	45	52	56	54	41	46	54	54	47	41	33	28	33	38	39	40		38.5
	MIN	11	28	23	24	14	16	9	8	21	25	13	4	- 6	11	26	36	33	36	30	27	29	36	34	30	26	22	18	18	25	30		21.9
PARSHALL	MAX	34	38	35	37	39	48	38	23	38	35	35	33	36	49	60	58	66	52	44	51	66	60	56	47	30	32	38	34	34	36		42.8
	MIN	22	29	18	24	20	28	12	15	21	27	26	12	16	24	30	33	30	34	28	21	34	31	37	28	21	10	22	18	22	20		23.7
PEMBINA CAA	MAX	34	33	32	32	33	37	25	26	29	30	24	20	30	36	38	50	47	41	36	41	48	45	46	39	30	30	32	34	38	37		35.1
	MIN	13	28	20	19	7	7	8	6	20	24	8	0	- 3	1	23	29	31	31	27	26	30	37	33	30	28	23	22	24	28	30		20.3
PETERSBURG	MAX	32	34	32	31	35	44	33	21	24	33	24	17	30	37	47	48	58	48	37	43	52	49	40	38	30	26	30	32	32	38		35.8
	MIN	6	24	15	20	4	18	7	8	18	22	12	- 4	1	10	28	34	32	33	28	25	31	34	32	30	23	22	18	18	23	28		20.1
PETTIBONE	MAX	35	36	34	33	41	46	37	25	32	32	31	31	31	42	48	53	61	50	40	46	62	58	50	45	31	28	30	35	32	37		38.7
	MIN	10	31	29	27	12	24	12	15	20	26	24	1	15	22	32	32	30	34	28	24	30	32	35	31	23	20	22	16	26	25		23.6
PORTAL	MAX	35	37	32	36	38	38	44	22	30	39	30	34	30	40	50	58	54	80	42	45	52	65	60	53	30	34	33	40	43	30		41.2
	MIN	18	24	20	20	20	27	9	10	15	22	21	8	9	15	31	38	34	32	27	24	33	31	34	28	18	18	21	22	22	24		22.8
RICHARDTON ABBEY	MAX	34	38	36	38	35	45	37	26	40	33	38	32	35	44	55	58	63	45	42	48	67	60	56	45	31	31	38	35	30	38		41.7
	MIN	14	28	25	20	12	24	13	13	25	26	25	14	13	20	30	35	36	32	28	28	31	38	38	26	21	18	24	22	25	22		24.2
RIVERDALE	MAX	36	40	33	37	37	45	44	21	36	36	33	32	35	44	58	60	68	56	44	51	69	63	60	50	28	29	31	32	32	34		42.5
	MIN	22	29	24	23	20	28	15	15	20	27	23	8	11	21	32	38	34	35	31	24	33	36	35	28	21	14	18	20	25	23		24.4
ROLLA	MAX	34	32	35	35	38	40	32	18	33	30	30	25	32	40	51	53	62	40	40	46	60	52	40	37	27	28	34	38	33	36		37.6
	MIN	30	27	21	20	14	25	4	10	18	17	17	5	16	21	30	35	33	32	26	24	33	34	33	24	22	20	18	20	25	26		22.7
RUGBY	MAX	39	36	36	36	38	44	43	19	35	33	34	32	39	45	55	55	68	59	42	49	64	64	58	42	31	32	41	39	38	37		42.8
	MIN	24	30	22	25	19	28	9	13	17	28	24	8	22	16	31	34	32	35	28	23	34	35	36	30	22	22	21	26	20	27		24.7
SANISH	MAX	35	41	35	35	37	40	48	25	32	40	31	36	31	40	50	62	59	65	45	41	51	86	62	55	32	32	34	38	37	32		42.2
	MIN	21	22	15	18	22	16	13	12	15	28	22	15	13	13	22	28	37	33	28	18	22	33	35	30	22	14	16	19	22	19		21.6
SHARON	MAX	35	35	33	35	36	44	39	20	30	32	33	23	32	39	50	54	61	52	40	46	55	58	45	42	32	30	33	36	36	40		39.2
	MIN	18	25	22	21	15	26	11	14	20	25	17	3	5	15	30	34	31	35	29	24	31	34	33	30		21	18	18	25	28		22.7
STANLEY	MAX	38	33	35	37	38	42	33	24	40	32	33	30	37	47	57	58	60	42	44	58	62	58	52	36	32	33	38	38	30	37		41.1
	MIN	24	21	14	17	14	18	4	9	18	20	11	12	11	18	26	22	28	27	24	22	28	30	31	20	19	6	17	13	19	17		18.7
STEELE	MAX	35	36	35	35	39	27	21	25	33	35	33	26	36	46	51	56	67	57	41	47	66	61	52	45	30	30	31	38	32	38		40.1
	MIN	13	27	17	17	17	13	10	12	21	23	16	- 2	4	15	31	30	37	30	25	33	29	28	32	30	20	18	20	15	25	20		20.8
TOWNER	MAX	42	33	35	39	42	47	42	25	42	38	35	28	34	47	58	69	63	53	47	53	56	60	48	38	33	33	38	42	37	37		43.3
	MIN	21	31	25	23	18	26	9	14	21	24	21	8	14	20	29	29	32	35	26	19	32	34	35	26	19	18	20	18	23	25		23.2
TURTLE LAKE	MAX	37	40	37	38	38	44	36	25	37	33	34	30	36	42	57	68	59	44	51	68	61	51	44	30	33	33	35	31	33			41.5
	MIN	18	25	17	17	16	25	12	15	24	27	20	8	8	18	32	31	33	28	24	24	35	34	25	18	13	15	17	25	18			21.4
UNDERWOOD 12 W	MAX	40	35	35	37	39	45	37	30	40	32	34	31	37	47	58	58	83	58	45	53	69	63	55	35	32	30	34	35	32	38		42.5
	MIN	19	29	23	23	14	29	14	16	25	28	24	11	12	22	31	36	37	34	30	28	34	31	35	22	22	17	18	21	27	23		26.5
UPHAM WILDLIFE REFUGE	MAX	42	42	40	43	43	48	38	22	38	38	40	34	40	49	62	60	70	56	50	54	68	64	50	41	34	33	41	42	38	41		45.4
	MIN	22	28		22	16	25	12	13	18	26	21	7	14	15	22	35	28	35	27	21	31	34	33	28	21	21	18	18	22	26		22.8
VALLEY CITY	MAX	38	37	35	37	42	50	49	26	30	32	32	32	36	48	63	62	70	64	43	48	59	61	53	47	34	34	33	38	34	38		43.5
	MIN	25	32	28	25	21	28	18	19	25	27	22	5	12	22	30	35	29	38	32	26	30	33	37	31	26	22	22	18	27	28		25.8
VAN HOOK	MAX	34	39	35	38	40	48	44	22	39	36	35	33	40	50	61	60	67	50	46	52	67	61	57	41	33	32	37	36	34	35		43.4
	MIN	23	28	19	23	18	28	12	16	21	27	28	14	16	23	29	34	33	34	27	21	33	33	37	29	21	11	24	19	24	20		24.2
VELVA	MAX	34	38	36	37	40	45	42	22	39	36	35	30	37	47	50	59	68	52	45	49	68	61	55	45	31	30	35	37	35	37		42.8
	MIN	21	29	23	25	18	27	7	11	21	28	22	9	16	23	34	38	29	35	27	23	21	34	35	29	20	18	14	13	21	24		23.1
WAHPETON STATE SCHOOL	MAX	38	38	35	36	37	48	46	31	32	32	31	30	34	42	60	65	68	67	43	45	57	65	58	48	39	30	31	36	35	39		43.2
	MIN	32	32	30	27	24	29	28	18	26	27	23	12	14	22	32	35	34	38	31	28	30	33	36	32	28	23	22	20	27	27		27.3
WASHBURN	MAX	35	40	37	37	37	44	39	26	38	34	35	32	38	47	59	61	87	54	44	53	71	62	51	47	30	30	34	35	42	36		43.2
	MIN	20	31	19	21	16	30	14	16	24	29	21	8	12	22	33	37	34	35	29	26	34	40	35	27	21	16	18	15	22	23		24.3
WATFORD CITY	MAX	43	40	35	36	39	46	38	26	41	37	39	32	41	53	62	59	63	44	45	54	65	62	60	47	36	35	41	40	35	38		44.4
	MIN	19	28	22	19	14	27	14	15	25	24	24	18	19	25	31	38	35	29	29	24	33	35	41	26	19	13	19	20	25	21		24.3
WESTHOPE	MAX	35	35	37	39	41	47	24	23	40	34	40	35	40	49	60	66	56	42	48	53	66	59	49	38	33	31	41	45	35	38		42.6
	MIN	25	24	20	21	20	22	7	7	20	26	16	8	16	23	30	38	32	34	28	23	32	33	33	24	20	20	12	19	25	26		22.8
WILLISTON WB CITY	MAX	46	37	36	38	40	46	28	31	39	32	37	33	42	52	61	58	60	45	45	54	62	61	58	37	33	36	38	39	35	36		43.2
	MIN	23	29	25	24	21	28	16	15	23	26	24	18	21	30	33	40	38	34	31	27	36	38	37	27	22	20	24	24	27	27		26.9
WILLOW CITY	MAX	39	39	37	39	41	45	34	20	37	33	36	27	36	46	59	58	68	50	46	52	66	59	46	40	34	33	42	44	35	38		42.6
	MIN	26	28	22	23	20	28	10	14	20	28	23	8	16	16	29	26	39	28	27	24	30	34	35	28	24	23	23	21	24	28		24.1
WILTON RR STATION	MAX	35	38	31	33	34	34	43	19	30	33	29	32	20	32	39	48	54	60	39	40	46	64	58	50	32	29	27	31		34		37.7
	MIN	15	18	15	17	17	21	14	11	17	26	18	3	4	10	20	33	31	33	27	24	28	35	34	31	19	14	17	19		21		20.4
WISHEK	MAX	36	37	33	33	33	41	52	23	30	31	32	31	23	38	48	59	68	57	51	41	48	69	65	43	47	28	29	33	37	34		41.0
	MIN	21	28	26	22	18	25	19	16	17	26	20	6	10	21	24	34	34	29	31	26	30	29	36	33	23	17	22	16	26	20		23.5

EVAPORATION AND WIND

Table 6

Station		Day of month																													Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Dickinson Exp Station	EVAP	*	*	.01	.03	.05	.05	*	*	*	*	.08	*	.10	.09	.02	.10	.01	.29	.15	.09	.12	.16	.22	*	*	.59	.03	.05	-	-			2.40B
	WIND	150	275	155	85	55	190	160	280	260	100	260	110	230	300	135	75	120	320	300	150	140	130	165	245	250	130	110	130	215	50		5275
Mandan Exp Station	EVAP	*	.14	.05	.04	.04	.05	.12	.07	.08	.03	.11	.02	.07	.06	.06	.05	.08	.14	.12	.13	.10	.13	.10	.09	.15	.07	.06	.06	.08	.02		2.32
	WIND	165	238	178	148	92	137	176	201	178	49	233	66	50	125	95	62	62	206	332	192	84	102	117	235	344	194	151	89	144	57		4502

See reference notes following Station Index.

Table 7

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
APRIL 1950

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Almont 7 SW	SNOWFALL	*	1.0						2.2	1.0	1.5														T					4.0		
	SN ON GND		1							3	5	5	5	4	2															4	3	
Amenia	SNOWFALL		2.0	1.0						0.5																0.5				0.4	
	SN ON GND	T	T	T	T	T				1	T															1	T	T	T	T	1	
Ashley	SNOWFALL																									0.2				7.0	0.5	
	SN ON GND																									T	T		T	7	7	
Beach	SNOWFALL			T	T			1.5	0.4										T	T					4.0	T				1.0	1.0	
	SN ON GND	1	T	T	T	T	T	1	2	T	T	T	T	T	T										1	T	T	T	T	1	T	
Bismarck WB AP	SNOWFALL		T	T				1.0	1.5	2.4	3.0	T	T							T					0.5	T	T	T		2.3	0.6	
	SN ON GND	9	9	9	6	6	3	4	4	5	6	7	7	5	3	1	T	T	T	T	T	T	T	T	1	T	T	T	T	1	T	
Carson 2 6W	SNOWFALL	T						1.5	0.5		4.0																			4.0		
	SN ON GND	23	22	20	19	17	14	16	16	16	20	19	19	18	15	11	6	4	3	3	2									3	3	
Center	SNOWFALL	T						T	1.0	2.0	T	T													1.0					1.0		
	SN ON GND	14	11	6	8	5	3	3	4	8	6	5	5	5	3	T	T	T	T	T	T	T	T	T	1	T	T	T	T	1	T	
Crosby	SNOWFALL	T	T	T	T	T				2.5			T							T					3.0	2.5					T	
	SN ON GND	T		T						3	-	1	T							T					3	6	4	2	-		-	
Devils Lake WB City	SNOWFALL	1.8	0.5	T	T		T	T	3.3	1.4	1.3	T							T	T					8.5	0.7	0.5	T		1.6	1.3	
	SN ON GND	3	3	2	1	1	T	T	3	4	4	3	3	2	T	T	T	T							7	7	7	5	2	3	1	
Dickinson CAA AP	SNOWFALL	0.1	T	T	0.2			1.5	3.0	T	T		T						T						1.6	T	T	T		3.2	0.1	
	SN ON GND	7	7	7	7	7	5	7	10	10	9	7	7	7	6	3	1	T	T						1	T	T			3	2	
Dunn Center	SNOWFALL								0.3	1.0															4.0	4.0					2.0	
	SN ON GND	10	6	7	8	6	5	4	7	6	7	7	4	4	4	3	2								4	6	6	5	3	-	2	
Edgeley Exp Farm	SNOWFALL											T														T	T	T				
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-	-	-	-	-	-	-	-	-	-	
Elliendale	SNOWFALL	T	T						T	T	1.0	T	T				T								T	2.0	T			3.5	1.0	
	SN ON GND	1	T	T	T	T	T	T	T	T	1	T													T	1	T	T	T	2	3	
Fargo WB AP	SNOWFALL	2.5	0.6	0.4	0.1				0.1	T	T	T	T						T	0.3					1.5	2.8	0.3	T	T	2.2	1.6	
	SN ON GND	1	1	1	1	1	T	T	T	T	T	T													T	3	4	3	T	T	T	
Fessenden	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SN ON GND	-	-	-	-	4	2	-	-	-	4	-	-	-	-	-	-	-	-						5	4	-	-	-	-	2	
Forman	SNOWFALL				T					T	1.3	T																		2.8		
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fort Yates	SNOWFALL	0.5						T	0.1		4.0														T					4.0		
	SN ON GND	7	5	5	4	4	3	3	4	3	5	4	4	3	2	1	T	T	T	T	T	T	T	T	T	T	T	T	T	2	1	
Grafton State School	SNOWFALL		1.0	T				T	2.0	2.0															T	3.5	3.0					
	SN ON GND	9	10	10	10	9	9	9	9	11	13	12	11	10	9	7	T	T								4	7	2	-	T	T	
Grand Forks CAA AP	SNOWFALL	1.0	0.4	0.2	T			T	4.1	0.4	3.8								T	T					3.1	1.0	0.7	T		1.4	1.1	
	SN ON GND	6	7	7	6	6	5	4	6	7	10	9	9	8	6	4	2	T	T	T	T	T			2	4	6	5	4	3	3	
Hettinger	SNOWFALL									0.1	0.4															0.5				0.2	0.1	
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jamestown CAA AP	SNOWFALL	0.5	T	T	T			T	T	T	4.8	T							T	T					2.6	2.4	0.9	T		1.7	0.5	
	SN ON GND	2	1	1	T	T	T	T	T	T	4	S	3	1	T	T	T	T	T	T	T	T			1	2	3	1	T	1	1	
Langdon Exp Farm	SNOWFALL		4.5	0.3				0.2	0.5	2.6	0.6								T						0.2	2.6	1.2	0.2			2.5	
	SN ON GND	-	-	-	-	-	-	15	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Linton	SNOWFALL										3.0														1.0					4.0	1.0	
	SN ON GND	4	4	3	8	2	2	1	-	-	-	1	1												1	1	1	1		4	4	
Lisbon	SNOWFALL																								-	-						
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Marmarth	SNOWFALL				T				T		T								T	T					4.0				T	2.5		
	SN ON GND	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	T		
Mayville	SNOWFALL		1.3	0.1	T				1.0	0.5	2.0									T					2.0	3.4	0.9			T	5.0	
	SN ON GND	10	11	10	9	8	7	7	6	8	9	8	6	7	7	5	3	2	T	1	T	T	T	T	1	3	4	4	2	1	2	
Mc Clusky	SNOWFALL								T																2.5						-	
	SN ON GND								T	T	T														3	2					T	
Mc Henry 5 N	SNOWFALL	T	T					T	T	T	3.0														2.0	4.0	T	T		T	2.5	
	SN ON GND	14	14	13	12	11	6	6	6	8	11	10	10	10	9	5	-	-	-	-	-	-	-	-	2	6	6	6	4	3	3	
Medora T R N M P	SNOWFALL		T		T			1.0	1.0																T					1.7	T	
	SN ON GND	1	T	T	T			1	2	T	T														T					2	T	
Minot CAA AP	SNOWFALL	0.2	0.1	0.1	T			T	6.6	0.3	T	T							T					T	17.0	0.7	0.5	T		1.9	0.5	
	SN ON GND	6	5	4	2	1	T	T	5	3	1	1	T	T	T	T	T								12	12	9	9	6	5	6	
Mohall	SNOWFALL	2.0							4.0			0.1													17.0							
	SN ON GND	10	-	-	-	-	-	3	7	7	7	7	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	6	3	
Mott	SNOWFALL							1.4	1.0	2.0							-	-	-	-	-	-	-	-	-	-				2.0	0.7	
	SN ON GND	12	10	10	9	8	6	9	10	12	11	10	9	6	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
Napoleon 1 SE	SNOWFALL	0.2			T	0.2		T			2.0	T	T						T						2.0	0.2	T	T		2.0	0.6	
	SN ON GND	5	5	4	4	3	1	1	1	1	3	2	2	1	T	T	T	T	T	T	T	T	T	T	2	2	1	1	T	2	1	
Parshall	SNOWFALL								2.0			T													0.6						1.0	
	SN ON GND	-	-	-	-	-	-		2																6	6	6	4	3	2	2	
Pembina CAA AP	SNOWFALL	1.2	3.4	0.1			T	T	1.9	0.2	1.5	T							0.2	T					0.2	0.4	0.2	T		T	1.3	
	SN ON GND	6	10	10	10	9	8	6	6	10	12	12	12	12	11	9	6	3	1	1	1	T	T	T	T	T	1	1	T	T	1	
Petersburg	SNOWFALL								4.5	1.0	3.0															1.0						
	SN ON GND	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pettibone	SNOWFALL	2.2									3.0														2.0	1.0	T			0.5	3.0	
	SN ON GND	16	18	15	14	12	7	7	7	7	10	10	9	9	4	3	1							1	2	3	3	1			2	
Portal	SNOWFALL		0.8							0.5									T						0.5	0.1				0.1		
	SN ON GND		S							5															5	6				1		
Richardton Abbey	SNOWFALL	0.4	T	0.2	0.1			0.7	1.3	1.0	0.2								T	T					3.2	0.3		T		2.2	0.9	
	SN ON GND	16	15	14	13	12	11	11	12	12	11	10	10	9	7	4	2	1	1	1	T	T	T	T	3	1	1	1	1	3	2	

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Rolla	SNOWFALL		1.5						1.5		T	T							T						1.3	1.0	0.7				2.0	
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3				1	
Rugby	SNOWFALL	3.5							3.7																4.8	1.5	T		1.5		4.0	
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
Sharon	SNOWFALL		1.0						T	T	4.0														4.0	2.0	1.0			T	3.0	
	SN ON GND	11	11	11	11	11	6	6	6	6	10	7	6	5	5	5	5	5	4	3	2	T	T	T	3	5	8	5	3	1	4	
Stanley	SNOWFALL								6.5																6.5							
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	6	5	5			
Steele	SNOWFALL	T	T		T			T		T	5.0	T													2.5	0.5	T	T		3.0	0.5	
	SN ON GND	12	10	9	8	7	6	6	6	8	11	10	10	8	5	2									3	3	2	1		3		
Upham Wildlife Ref	SNOWFALL	1.0	2.0						4.0	T															4.0	T	T	T			2.0	
	SN ON GND	1							4																4							
Velva	SNOWFALL	T	T	T	T			T	2.0			T	T						T						8.0	1.0	T			0.5	0.5	
	SN ON GND	5	5	4	3	2	T	T	2	1	T	T	T	T	T										8	9	8	5	3	3	2	
Wahpeton State School	SNOWFALL	1.0			1.0				T	T																2.5	2.5			1.5	3.5	
	SN ON GND	2	1		1																					2	2	1	1	2	1	
Watford City	SNOWFALL							T	5.0																10.0					T		
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	9	7	4	2			
Williston WB City	SNOWFALL	0.3	T	T	0.6			0.1	1.6		T								T	T					6.0					0.6	0.2	
	SN ON GND	4	3	2	3	1	T	T	2	T	T	T	T	T	T										3	2	T			T	T	

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the postoffice.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830.

- \- No record in Tables 3, 4, 6, 7 and the Station Index. No record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
- \+ And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
- 8 Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.
- SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual; $1.50 per year. (Yearly subscription includes the Annual Summary.) Checks, postal notes and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Weather Records Processing Center, 811 Fidelity Building, Kansas City 6, Missouri.

W.B.O., Kansas City, Mo. -- 6-15-50 -- 1100

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables
							Temp.	Precip.		
ADAMS 7 S	0022	WALSH	10	48 2D	98 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALWONT 7 W	0136	MORTON	4	46 43	101 39	2300	7P	7P	HDGAN RAMSLAND	2 3 5 7
ALPHA I S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	B A BURY	3
ANENIA	0186	CASS	11	47 00	87 13	960	SS	8S	VIRGIL L GEBEKE	2 3 5 7
AMIOON	0209	SLOPE	1	46 30	103 19	2910	5P	5P	TOFIELD ZUMDEL	2 3 4 5
ARVILLA STATE PARK	0368	GRAND FORKS	10	47 58	97 30	980	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	48 02	89 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 7
BALDHILL DAM	0450	BARNES	11	47 D2	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR	0492	MC HENRY	12	47 57	100 32	1615		MD	RAYMOND E MELLER	3 4
BEACH	0580	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F RODGIN	2 3 4 5 7
BELCOURT INDIAN RES	0826	ROLETTE	8	48 50	88 45	1880	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0839	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	8	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1600	6P	6P	ROBERT J KRICK	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1670	10A	10A	D S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1650	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAD	12	48 56	100 22	2160	6P	6P	PARE SUPT	CLOSED
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O B HOOK	2 3 4 5
BREIEN	1052	MORTON	1	46 24	100 57	1720		MID	FRANK E POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1365	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5 7
COLGATE	1686	STEELE	10	47 14	97 39	1180		6P	O W JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	R J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	1D3 18	1954	7A	7A	VERNON V NICHOLS	2 3 5 7
DAWSON	2018	KIDDER	8	46 52	99 45	1730		MID	LOUIS J HILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RANSEY	2	48 07	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SDMMARS	2 3 5 7
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	1D0 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5 7
EDMORE I W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	R W CASE	2 3 5
ELLENDALE	2605	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GRES5	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	8P	T HEACHLER	2 3 5
ESMOND	2767	BENSON	11	48 02	99 46	1650		MID	CLARENCE L JENSEN	3 4 5
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAO	2 3 4 5 7
FESSENDEN	2949	WELLS	5	47 39	99 37	1810	6P	8P	JOHN V ZUBER	2 3 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1930		8A	GEORGE M SINCLAIR	3
FORMAN	3117	SARGENT	10	46 08	97 38	1249	8P	6P	ART WATERMAN	2 3 5 7
FORT YATES	3207	SIOUX	8	46 06	100 38	1640	SS	SS	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1609	5P	5P	U S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	8P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	7A	7A	GEORGE J MAHOWALD	2 3 5
GLEN ULLIN	3486	MOBTON	4	46 49	101 49	2090		MID	LOUIS N GAUER	3 4
GOLVA I SE	3556	GOLDEN VALLEY	7	46 44	103 57	2780		MID	ISADORE MARQULIES	3 4
GRAFTON STATE SCHOOL	3596	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	10	47 58	97 05	834	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	87 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIANS	8	48 37	103 56	2114	SP	5P	L D NIELSON	2 3 5
HALLIDAY	3848	DUNN	8	47 21	102 20	2073		6P	JOHN KISSE	3
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	HOLER A BENSON	3 4
HANNAH	3836	CAVALIER	9	48 59	98 41	1570	6P	6P	D S CUSTOMS OFFICE	2 3 5
HANSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W E DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	89 53	1596		6P	H J REYNOLDS	3
HAYNES 8 NE	4073	ADAMS	1	46 01	102 24	2640		MID	BYRON B BOBH	3 4
HAZELTON RR STATION	4083	EMMONS	8	46 28	100 17	1978		MID	EPHRAIN ZACHER	3 4
HETTINGER	4178	ADAMS	3	46 00	102 38	2675	6P	6P	EDWARD H BJORUM	2 3 4 5 7
HILLSBORO	4203	TRAILL	10	47 24	87 04	801	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS B RUTH HUCHWIT2	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	46 55	88 41	1497	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4658	STUTSMAN	5	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAD	12	48 39	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 5
LANGOON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5 7
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	ELEM PETERSON	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	48 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5 7
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5 7
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	98 30	1604	8P	6P	BENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	8P	6P	PARK SUPT	2 3 5
MANNING	5518	DUNN	6	47 14	102 46			8P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	8P	6P	S P GRANE	2 3 5 7
MARTIN	5610	SHERIDAN	11	47 50	100 07	1810		6P	JOHN W MAGNUSON	3
MAX	5638	MC LEAN	8	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5 7
MAYVILLE	5660	TRAILL	10	47 30	97 18	975	6P	6P	H A RAGAZ	2 3 5 7
MC CLUSKY	5710	SHERIDAN	8	47 28	100 29	1943	11A	11A	J A HAMILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	8	48 38	102 56			MID	HARTVIN H HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	88 35	1508	8P	8P	C E BLASKY	2 3 5 7
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	88 11	1487		6P	B B KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	48 58	99 19			6P	RUDOLPH GRAF	3

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables
							Temp.	Precip.		
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	CLOSED
MEOORA TRMP	5813	BILLINGS	7	46 5B	103 30	2250	5P	5P	US FOREST SERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	89 02	1625		MID	EDGAR S STEGMEIER	3 4
MINOT CAA AP	5988	WARD	12	48 15	101 17	1724	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5893	WARD	12	48 1Q	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1639	9P	9P	IVER JOHNSON	2 3 5 7
MONTPELIER	6105	STUTSMAN	5	46 42	88 35			8A	ROLF HANSON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420	SS	SS	FOREST E COFING	2 3 4 5 7
MUNICH 4 SW	6185	CAVALIER	2	48 38	88 53	1598	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 1 SE	6255	LOGAN	8	46 28	99 45	1955	7P	7P	GLADYS J PETERSON	2 3 4 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S HATCH	2 3 5
NEW ROCKFORD	6350	EDDY	5	47 41	99 08	1555		SS	VALENTINE A RIEDER	3
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550	6P	6P	RICHARD STEINBACH	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 5
OAKES	6620	DICKEY	5	46 08	98 05	1320	8A	8A	C W HAGEN	2 3 4 5
OMEMEE 3 SE	6703	BDTTINEAU	12	48 39	100 20			MID	ARTHUR H VOLLMER	CLOSED
PARK RIVER	6857	WALSH	10	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 5
PEMBINA CAA AP	6947	PEMBINA	10	48 57	97 15	792	MID	MID	U S CIVIL AERD ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5
PETTIBONE	7047	NIDDER	8	47 07	99 31	1860	7P	7P	L B DETHLOFF	2 3 5
PORTAL	7201	URKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5
POWERS LAKE	7281	URKE	8	48 34	102 39	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	RANT	1	46 II	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
REEDER 14 N	7452	SLOPE	1	46 19	102 57	2860		8A	CHAS M METZINGER	3
RICBARDTON ABBEY	753D	STARK	4	46 53	1D2 19	2467	5P	5P	ASSUMPTION ABBEY	2 3 4 5
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6
ROLETTE	7655	ROLETTE	12	48 40	99 50	1625	MID	MID	GEORGE F GEMRES	3 4
ROLLA	7664	ROLETTE	9	48 52	99 37	1860	7P	7P	THEO B FAGERLUND	2 3 5
RUGBY	7704	PIERCE	12	48 22	100 D0	1560	6P	6P	FRANK NORNSTEIN	2 3 5
RYDER	7749	WARD	8	47 55	101 40	2158		9A	B C SCHELLENBAUM	3
SANISB	7834	MDUNTRAIL	8	47 59	102 32	1835	7A	7A	H J BUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	99 00	1585		MID	CLARENCE J OLSON	3 4
SEARING	7944	MC KINZIE	13	47 34	103 48			MID	GLENN S MC RAE	3 4
SELFRIDGE 11 W	7952	SIOUX	8	46 01	101 10	2183		7P	L E WILSON	3
SRARDN	7986	STEELE	10	47 36	97 54	1516	8P	8P	HUGH LYDN	2 3 5 7
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647		6P	U S CUSTOMS SERV	3
SBEYENNE	8D57	EDDY	11	47 50	99 D7	1500		MID	ALVIN E SODERHOLM	3 4
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258	7P	7P	LEROY EDWARDS	2 3 5 7
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESNER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARD	3
TIDGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST H RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2418		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1898	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1936		8P	ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS 1 C ROBERTSON	2 3 5
VAN HOOE	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5 7
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWEN PLANT	9085	RICHLAND	10	46 17	96 36	962		MID	VICTOR DURTON	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 16	98 36	862	5P	5P	ST SCH OF SCIENCE	2 3 5 7
WALHALLA	9155	PEMBINA	9	48 56	97 54	850		7P	JAMES N YOUMANE	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5 7
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 36	103 10	2258		6P	JONATNAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 D9	103 35	1877	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	9445	BOTTINEAD	12	48 36	100 17	1471	8P	8P	O M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 Q8	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISBEK	9515	MC INTOSH	8	46 18	99 34	2010	8A	8A	H W LARSON	2 3 5

NEW STATIONS

FRYBURG	3277	BILLINGS	4	46 53	103 18	2780		7A	HERMAN J MAY	3
TROTTERS GEN STORE	8812	GOLDEN VALLEY	13	47 20	103 54	2420		MID	EUGENE A RUSSELL	3 4

‡ DRAINAGE CODE: 1. Cannonball 2. Devils Lake 3. Grand 4 Heart 5 James 8 Knife 7 Little Missouri 8 Missouri 9 Pembina 10 Red 11 Sheyenne 12 Sourie 13 Yellowstone

Reference Notes for this issue may be found on Page 63.

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Nat. Hist.

JUN 20 1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

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CLIMATOLOGICAL DATA

NORTH DAKOTA

MAY 1950
Volume LIX No. 5

KANSAS CITY: 1950

NORTH DAKOTA - MAY, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

The outstanding feature of May weather was its continuation of one of the most backward seasons ever experienced in North Dakota. It was brought to an end on the 10th after a new record for snowfall had been established. Warmer weather then dried fields rapidly and spring seeding became general after the middle of the month. Destructive floods in the northeast continued during the month and in some areas exceeded the April floods.

The mean temperature for the month was 49.4 degrees which is 4.0 degrees below the normal for May. Every reporting station in the state had below-normal temperature. This was due largely to the cold weather during the first 9 days. The rest of the month averaged near to slightly above normal. The mean temperature for the eastern division was 50.0 degrees which is 4.2 degrees below normal; the middle division was 49.2 degrees or 4.6 degrees below normal; and the western division was 49.0 degrees which is 4.6 degrees below normal. The highest temperature for the month was 95 recorded at Forman on the 23rd and the lowest temperature was 14 recorded at Elbowoods on the 1st.

Precipitation for the state as a whole was considerably above normal though there was a great deal of variation across the state. The average for the state was 3.44 inches which is 1.16 inches above normal. Most stations in the extreme west portion reported below-normal precipitation for the month. The greatest amount was recorded at Fullerton with a total of 7.82 inches and the smallest amount was recorded at Epping with a total of 0.90 inches. The greatest departure from normal was recorded at Ellendale which was 4.86 inches above normal. At the other extreme was Elbowoods with 1.25 inches below normal. Comparing precipitation by divisions we find the east with the largest average of 5.11 inches or 2.58 inches above normal. The middle division averaged 3.31 inches or 1.13 inches above normal. The western division was 0.29 inch below normal with an average of 1.85 inches for the month. A large amount of the precipitation fell as snow in the first 9 days. In checking through the records we find the average snowfall for the state of 8.8 inches recorded this month is more than twice the previous all-time high of 4.0 inches set in 1905. This compares with a normal snowfall of one-half inch for the month of May. Pettibone recorded a total of 30.5 inches of snow during the month and had a maximum depth of 17 inches on the ground on the 6th. It is apparent then that wintry conditions prevailed in most sections the first week.

In view of the wet and cold weather the first 9 days, field work was delayed generally until after the middle of the month. A few well-drained fields in the west and south portions were able to be seeded earlier. Generally, field work was slow until after the 20th, and some farmers were still seeding wheat at the end of the month. Farm operations were generally a full month behind the seasonal normal and in most areas it was the latest season on record. In the northeast sections of the state where severe flooding continued far into the month, much land continued too wet for farming at the end of the month. Germination of grain was excellent in most areas and growth quite rapid. Wild oats was reported in some south-central and southwest counties. Top soil moisture was becoming deficient in some western counties by the end of the month, and late seeded grains needed showers to get them started right. Otherwise, soil moisture was ample over the state to excessive in some eastern sections. Feed crops were 60 to 70 per cent completed, flax about 40 per cent, and corn less than 30 per cent completed by the end of the month. Feed for livestock continued very short far into the month. Getting feed to the farms was hampered severely by wet roads. Calf and lamb losses were considerably more than normal due to the cold wet weather at the beginning of the month. By the 3rd week pastures were developing rapidly and livestock soon had ample feed supplies. During the last week considerable wind was experienced and there was some blowing dust in the west and southwest sections.

Floods continued to be very destructive in northeastern North Dakota during May. While the April flood waters had receded considerably along most sections of the Red River by the beginning of the month, the heavy precipitation resulted in new rises about the second week in May which exceeded the flood crests reached in April. At Grand Forks the May crest was near 46 feet compared with the April 25th crest of 44 feet. At Fargo the Red River rose to flood stage again about may 7th and remained above for over a week and a half. In the northeast sections of the state rivers remained above flood stage nearly the entire month. The James and Pipestem rivers reached new crests about May 15th in the Jamestown vicinity. However, the flooding here was not as severe as in April. --CJS

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this hulletin series contains records from Hydroclimatic Network Stations,which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages--mostly of the recording type which produce continuous records of precipitation. It was estahlished in 1939 at the request of the Corps of Engineers, Department of the Army, to eupplement existing precipitation stations in order to provide records of rain fall intensity which were essential to the planning of flood control and related works hy the Corps of Engineers. This Network, now numhering about 2,000 recording, and 1,000 non-recording rain gages, has heen maintained hy the Weather Bureau through working funde transferred annually to the Weather Bureau hy the Gorpe of Engineere. These transfers averaged ahout $250,000 per year hetween 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred ahout $100,000 per year to provide data required in ite work, and eince 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Weetern Statee.

Previoue to the introduction of this hulletin series, data from Hydroclimatic Network stations were presented in hulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, hut since the Network was estahlished to meet the internal requirements of the Federal agencies referred to ahove, no provision was made for public dissemination of the data, distrihution heing limited to cooperating agencies and to certain puhlic repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are availahle for inspection may he ohtained upon application to Chief, U. S. Weathe: Bureau, Washington 25, D. C.

Many other records published in this hulletin have heen made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismarck WB AP	WNW	15	13.9	52	NW	31	79	83	57	56	5	6	4	2	0	0	17	42	7.0	435
Devils Lake WB City	-	-	10.6	42	NW	30	-	-	-	-	9	4	4	3	1	0	21	51	6.3	509
Fargo WB AP	NNE	11	19.0	44	N	5	81	85	61	60	7	7	4	2	2	0	22	49	7.0	437
Williston WB City	-	-	9.9	36	NW	30	-	-	-	-	11	6	2	1	0	0	20	68	7.3	443

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	46.6	96	13	2.20	3.9	12
1893	52.2	97	19	1.61	0.2	6
1894	54.6	98	23	1.51	0.0	5
1895	54.4	101	15	2.48	0.0	8
1898	58.9	103	22	4.95	0.0	13
1897	55.4	97	18	0.67	T	4
1898	52.7	92	14	1.98	0.0	5
1899	50.8	91	16	3.49	0.4	8
1900	59.2	106	15	0.69	0.0	3
1901	60.0	99	19	0.31	T	2
1902	55.9	94	24	3.57	0.4	10
1903	54.3	96	11	3.12	T	4
1904	54.2	93	20	1.60	T	6
1905	50.1	88	10	2.91	4.0	8
1906	50.8	99	11	4.91	0.4	12
1907	44.0	84	8	1.31	3.1	6
1908	50.8	88	9	2.90	0.9	8
1909	51.0	98	5	4.46	0.1	10
1910	50.7	94	10	1.03	0.1	6
1911	55.0	99	8	2.90	T	8
1912	54.2	90	16	4.39	0.7	11
1913	51.2	100	11	1.71	0.2	9
1914	55.2	95	18	2.12	1.0	8
1915	51.1	98	15	3.13	0.4	9
1916	51.0	95	7	2.10	0.3	8
1917	51.2	98	15	0.34	0.1	2
1918	51.7	99	6	2.27	0.5	9
1919	55.5	101	16	3.11	0.4	9
1920	53.9	89	20	1.76	0.1	7
1921	53.8	90	21	2.44	T	9
1922	56.3	93	24	3.39	0.1	12
1923	54.1	100	13	1.77	0.2	6
1924	46.9	84	15	0.81	0.0	5
1925	53.6	111	10	1.44	T	4
1926	58.5	105	10	2.20	0.0	7
1927	48.0	87	13	5.68	3.2	14
1928	58.2	107	16	1.08	0.0	5
1929	49.1	92	8	2.99	0.4	7
1930	50.8	98	18	2.62	0.7	9
1931	53.1	100	10	1.41	0.3	6
1932	55.9	98	25	2.15	2.2	6
1933	54.8	98	19	3.15	T	9
1934	63.6	111	18	0.36	0.0	3
1935	49.5	89	20	2.61	1.5	12
1936	61.0	100	20	0.80	T	4
1937	56.9	99	19	1.76	T	7
1938	52.0	88	18	2.55	0.2	11
1939	60.1	104	18	1.55	0	8
1940	54.9	96	17	1.97	0.1	8
1941	58.3	98	21	2.94	T	12
1942	50.0	87	19	3.03	0.5	11
1943	49.9	96	15	2.21	1.0	9
1944	58.2	95	11	2.73	0.1	11
1945	47.7	84	10	1.54	0.5	8
1946	50.6	88	10	1.60	0.6	9
1947	49.9	87	13	1.11	T	7
1948	55.1	101	22	1.38	0.1	6
1949	56.6	93	19	2.34	T	9
1950	49.4	95	23	3.44	8.8	11
Period	53.4			2.28	0.6	

See reference notes following Station Index.

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max 90° or above	Min 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
Amenia	51.0		85	22+	31	2	0	5	6.78		1.37	19	T			15	7	3
Carrington	48.2M	-4.9	81	23+	26	1	0	10	2.99	.50	.95	19	17.0			5	5	0
Cavalier Power Plant	50.8M	-2.8	83	22	30	1	0	6	4.59	2.33	.90	5	4.0	4	2	14	7	0
Cooperetown	49.8	-4.0	82	23	27	1	0	9	4.73	2.20	1.12	5	.0	0		9	8	1
Devils Lake WB City	48.5	-4.1	82	22	25	1	0	8	4.13	2.10	1.01	5	12.7	7	2	12	5	1
Edgeley Exp. Farm	50.4	-4.0	85	22+	22	1	0	5	6.22	3.66	1.46	2				11	5	3
Edmore 1 W	47.3	-5.9	79	22	26	1	0	10	3.64	1.78	1.41	5	5.0	5	3	8	5	1
Ellendale	52.4	-2.9	91	23	23	1	1	4	7.47	4.86	2.26	5	3.5	1	5	15	8	3
Fargo WB Airport //	51.2	-3.9	87	23	30	1	0	2	5.00	2.11	1.17	8	1.0	T	1+	15	5	2
Forman	52.6M	-3.1	95	23	26	1	1		5.77	2.82	1.56	8	.0	0		9	6	1
Fullerton	52.4	-2.4	89	23	23	1	0	3	7.82	4.83	2.04	5	4.5	3	5	11	7	4
Gackle	48.4M	-5.9	84	22+			0		5.15	2.57	.89	12	16.0	11	7	13	7	0
Grafton State School	50.2M	-3.9	82	22+	29	1	0	5	4.66	2.64	.96	5	.0	0		12	7	0
Grand Forks CAA AP //	49.3	-4.9	83	22	27	1	0	4	3.65	1.15	1.01	5	2.3	3	2	14	6	1
Grand Forks University	49.7	-4.5	83	22	28	1+	0	4	4.88	2.38	1.22	5	4.6	5	2	16	6	1
Hankinson RR Station	51.3M	-6.7	91	23+	23	1		3	4.37	1.51	1.20	6	.5	0		11	6	1
Hannah	46.9	-4.7	80	22	22	15	0	11	4.18	2.07	1.57	19	9.0	2	2+	11	4	1
Hillsboro	49.8	-5.0	84	22	28	1	0	8	4.39	1.44	1.05	5	2.0	0		11	5	2
Jamestown CAA AP //	49.0	-5.1	83	22+	26	1	0	7	6.34	3.57	1.34	5	13.0	5	2	10	7	3
Jamestown State Hospital	50.9	-3.2	85	22+	26	1	0	7	5.18	2.41	1.58	5	7.0			13	7	1
Kensal Wildlife Refuge	47.9		83	22	23	1	0	12	5.71		1.43	5	9.5	7	3+	10	8	2
La Moure	52.6M		87	23	22	1	0	5	5.25		1.05	2		6	5	14	7	1
Langdon Exp. Farm	46.8	-5.0	80	22	27	1	0	12	4.08	2.09	.88	19	8.3			15	8	0
Lisbon	51.0	-3.8	92	24	27	1	1	3	6.30	3.53	1.77	6				11	7	2
Mayville	50.3	-5.1	83	22+	26	1	0	6	5.50	2.78	1.07	19	7.5	5	2	15	7	1
McHenry 5 N	47.9	-4.8	81	22	24	1	0	10	3.90	1.59	1.05	5	10.0	9	3	15	7	1
McLeod 3 E	52.6	-3.2	91	23	25	1	1	6	5.74	2.73	1.43	19		4	2	11	7	3
Munich 4 SW	48.3		79	22	24	1	0	11	4.11		1.46	19	1.0	0		13	5	1
Oakee	51.2	-4.4	92	24	25	1	1	4	6.12	3.41	1.34	19				14	6	3
Park River	50.0	-3.6	81	22+	26	1	0	7	4.57	2.63	.86	5				10	7	0
Pembina CAA AP //	49.3M	-3.9	81	22	30	1	0		5.27	3.08	1.41	4	4.1	1	2	12	6	2
Petersburg	48.2M		80	22	24	1	0	11	3.86	1.42	1.08	2	15.4	12	2	11	5	1
Sharon	50.0M	-4.1	81	23	22	1	0	7	6.73	3.99	1.55	5	11.0	13	3	11	7	3
Valley City	52.0	-2.6	85	22	28	1	0	3	5.00	2.22	1.05	5	.0	0		9	7	1
Wahpeton State School	53.0	-3.3	90	23	29	1	1	1	4.80	2.10	1.20	19	T	0		14	6	1
DIVISION	50.0	-4.2							5.11	2.58			5.8					
MIDDLE DIVISION																		
Aehley //	50.0	-4.2	89	23	21	1	0	11	5.79	3.39	2.17	2	12.0	6	5+	9	5	2
Belcourt Indian Rs.	45.1		79	13+	22	1	0	12	3.55		.80	12	12.5	9	6	14	5	0
Bisbee	47.6	-5.1	82	22	26	1	0	11	2.39	.24	.62	18	6.2	2	2	9	4	0
Bismarck WB City	51.6	-3.2	86	22	30	1+	0	5	2.99	.76	.55	4	10.2	7	7	13	5	0
Bismarck WB Airport	51.1	-1.9	87	22	26	7	0	7	2.89	.57	.62	6	10.3	3	4+	12	6	0
Butte	50.1	-4.7	84	22	27	1+	0	9	3.44	.96	1.15	6	5.0			10	6	1
Carson 2 SW	48.9	-5.6	84	22	23	1	0	11	2.68	.28	.70	2	8.0	3	4+	8	5	0
Center	52.4	-2.1	84	22	19	7	0	12	2.80	.53	.58	2	14.0	6	6	7	8	0
Drake	49.4	-5.3	85	24	24	1	0	8	3.31	1.23	1.30	6	.0	0		10	4	1
Dunseith St. Sanitary	47.5	-5.3	81	22	25	1	0	12	2.37	.50	.57	16				13	3	0
Eckman	47.4M	-5.2	82	23	25	7	0	9	2.96	.98	.80	6	16.4	3	6+	12	4	0
Fessenden	49.5	-3.8	80	22	28	1	0	9	2.96	.68	.96	2	8.0			7	4	0
Fort Yates	51.8	-4.9	86	22	29	1	0	4	2.66	.50	.62	2	6.0	2	5	10	4	0
Foxholm Wildlife Rs.	49.0	-5.2	82	13	23	2	0	11	2.30	.27	.59	6		4	8	11	3	0
Garrison	48.5M	-5.1	83	22	26	1	0	9	2.09	- .24	.43	2+	7.0	5	6	10	4	0
Granville	48.7	-4.2	84	22	26	1	0	12	2.94	.91	.80	6	11.0	5	6	9	6	0
Hansboro	46.5M	-5.0	81	22	23	1	0		2.37	.27	.70	19	5.5	2	2	14	3	0
Leeds	48.9		82	22	19	7	0	10	5.38		1.22	19	18.0			13	7	1
Linton	51.7	-4.0	88	22	22	1	0	6	3.97	1.68	1.12	5	6.0	6	5	9	5	1
Maddock Agri. School	48.9	-4.9	81	22	27	1	0	10	5.27	3.22	1.30	18	.0	0		15	8	1
Mandan Exp. Station	49.9	-5.2	86	23	28	7	0	9	3.13	.87	.68	19	6.7			13	6	0
Mandan Ft. Lincoln	51.6		86	22	28	1	0	8	3.07		.72	4		3	4+	10	6	0
Max	48.6	-5.5	84	22	29	2	0	8	3.13	.93	.63	2	13.0	3	4	8	7	0
McClusky	49.2	-4.8	83	22	23	1	0	8	3.82	1.36	.88	6	.0	0		13	6	0
Minot CAA AP //	48.7	-4.4	83	22	26	2	0	9	2.90	.74	.51	8	18.3	7	2+	11	6	0
Minot Exp. Farm	47.8		82	22	26	2	0	10	1.94		.47	4	7.7	8	6	12	4	0
Mohall	49.0	-4.1	84	13	25	2	0	9	2.71	.73	.56	6	11.0	6	6	9	5	0
Napoleon 1 SE	49.4	-3.8	85	22	21	1	0	10	5.06	2.62	1.50	2	12.0	11	6	12	6	2
New Salem 1 S	49.1	-4.3	85	22	25	1+	0	9	2.61	.21	.55	4	13.8	8	4	9	5	0
Pettibone	48.6	-4.6	82	22	20	1	0	9	4.92	2.66	1.21	6	30.5	17	6	12	6	1
Rivsrdale	49.4		84	22	25	7	0	9	2.41		.46	6				10	5	0
Rolla	46.6	-5.4	80	22	25	1+	0	11	3.88	1.76	.66	16	16.0	8	6	15	5	0
Rugby	49.4		83	22	29	1	0	9	4.02	2.05	.80	6				12	7	0
Stesle	48.8	-5.2	84	22+	17	1	0	10	5.20	2.68	1.38	2	15.5	12	6	12	7	1
Towner	48.1	-8.2	83	22	27	2+	0	11	3.93	1.72	1.35	6	25.0			9	5	1
Turtle Lake	49.3M	-4.6	83	22	19	1	0	10					4.0					
Underwood 12 W	51.5	-4.8	84	22	23	7	0	10	2.68	.56	.60	6		4	6	11	3	0
Upham Wildlife Refuge	50.0		84	13+	23	7	0	12	3.29		.70	6	7.0			11	6	0
Velva	49.9	-4.7	86	22	21	2	0	9	2.63	.45	.66	6	8.0	5	6	10	5	0
Washburn	51.0	-4.3	84	22	27	1+	0	9	3.03	.86	.65	8	20.0			10	6	0
Westhope	48.6	-4.5	83	22	26	7	0	11	2.40	.52	.59	18	6.5	3	6	10	4	0
Willow City	48.2	-4.0	83	13	29	1	0	11	2.78	.87	.53	16	7.0	1	2+	12	5	0
Wilton RR Station	47.4M	-6.5	83	23	23	1	0	9	2.18	- .21	.70	6	5.7	6	6+	8	4	0
Wishek	48.6	-4.6	86	23	18	1	0	9	5.33	2.92	.92	5				16	7	0
DIVISION	49.2	-4.6							3.31	1.13			10.4					

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																		
Almont 7 SW	49.5		85	22	22	1	0	9	2.20		.69	8	18.7	10	4	12	3	0
Amidon	48.9M	-4.6	83	22	22	1	0	10	1.97	- .37	.65	8	13.0	6	8	9	3	0
Beach	49.5	-3.5	83	22	23	1	0	11	1.27	- .99	.45	8	7.2	1	8	13	2	0
Belfield	47.9	-5.2	84	22	23	1	0	11	2.34	- .01	.71	8	.0	0		13	2	0
Bowman Court House //	49.6	-4.0	82	22	23	1	0	10	1.58	- .74	.53	8		9	4	11	2	0
Crosby	48.6	-3.7	81	23	28	1+	0	9	1.87	- .10	.68	9	6.3	4	9	13	1	0
Dickinson CAA AP	48.4	-4.3	83	22	27	1	0	10	1.76	- .57	.51	8	9.5	4	4+	11	3	0
Dickinson Exp. Station	47.7	-5.0	83	23	22	1	0	13	2.13	- .20	.63	4	12.8	6	4	16	3	0
Dunn Center	47.8	-5.0	83	23	23	1	0	12	1.73	- .61	.63	4		6	4	8	3	0
Elbowoods	49.6	-5.0	85	22	14	1	0	9	.94	-1.25	.32	5				4	2	0
Epping	49.5	-5.5	83	13+	25	1	0	11	.90	-1.24	.37	8	.0	0		7	1	0
Grenora	49.1	-3.1	80	13+	24	1	0	8						0				
Hettinger	50.2	-4.3	85	23	26	1	0	10	2.27	- .01	.71	4	13.1			6	3	0
Kenmare	48.9	-5.0	85	30	26	7	0	9	2.62	.64	.90	6	.0	0		11	2	0
Marmarth	49.6M	-4.0	85	22	23	1	0	10	1.28	-1.01	.62	8	5.3	T	2+	6	2	0
Medora TRNMP	50.3		85	22	27	10	0	11	1.01		.47	8	6.0	3	4+	5	2	0
Mott	49.3	-5.3	85	22	24	1	0	10	1.82	- .44	.53	2	15.0	5	4	7	3	0
New England	49.9	-3.3	84	22	22	1	0	10	2.42	.25	.91	4	19.3	6	4	7	3	0
Parshall	49.1	-4.9	83	22	24	7	0	13	1.68	- .49	.56	6	6.0	6	6	9	3	0
Portal	46.8M	-5.3	80	23	25	7	0	10	3.53	1.46	1.44	6	22.0	13	6	10	4	1
Richardton Abbey	49.2	-4.7	83	22	23	1	0	9	2.18	- .28	.63	4+	17.1	8	4	12	3	0
Sanish	47.9	-7.3	84	23	22	1	0	11	1.40	- .55	.35	4+	.0	0		9	3	0
Stanley	46.1		81	22	22	2	0	15	2.65	.46	.47	8	22.0	9	8+	7	6	0
Van Hook	49.7		84	22	26	7	0	11	1.44		.41	4	12.0	4	6	8	3	0
Watford City	50.4	-4.1	85	22	22	1	0	10	2.03	.04	.68	8	10.0			11	3	0
Williston WB City //	50.6	-3.4	84	22	26	1	0	8	1.31	- .75	.66	8	7.3	3	8	9	2	0
DIVISION	49.0	-4.6							1.85	- .29			10.1					
STATE	49.4	-4.0							3.44	1.16			8.8					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA
MAY 1950

Station		Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S				.88	.30	.63	.80			.30	.10		T					.31	.58											.12		3.82
Alexander R R Sta.				T	.23		.24	.09	.47	.10			.08				.02		T			.02		.01					.03	T	1.29
Almoet 7 SW		T	.38	.05	.65	.07	.02		.69			.09	.03			T	.07		.12						.02	T				T	.01	2.20
Alpha 1 3			.04	.05	.30		T		.52		T	T				.39			T					T				T			1.29
Ameeia			1.01	.52	.21	.87	.24	.13	1.05	.07							.55	.02		1.37	.10			.37	.06				.11			6.78
Amidee	2	T	.12	.05	.50			T	.65	T			T			T	.10		.05						.05				.25	.20		1.97
Arvilla 3t. Park			.67	.28	1.01	1.17	.13	.19		T	.09						.43			.72	T				.02							4.79
Ashley	Z //		2.17		.57	1.00	.12		.77				.01				.23		.11	.81	T									.08		5.79
Balfour	R	.05	.30		.22	*	.78		.26	.03							.07		.26													1.87
Beach	Z		T	.02	.27	.04	T	T	.45	.03		.01	.04			.20	.10		.02					.02					.05	.02	1.27
Belcourt Indian Ree		T	.20	.05	.11	.28	.45		.19	.12			.90				.62	.03	.24	.42									.03	.03	T	3.55
Belfield			.08	.18	.45				.71	.06		.03	.04			.15			.19		T	T		.22	.03				.10	.10		2.34
Beelah			.37	.02	.29	.41	.09	.01	.50	T			.02						.10					.45								2.26
Bisbee			.21	.03	.15	.27			.17	.06							.46		.62	.42										T		2.38
Bismarck WB City			.44	.02	.55	.21	.52	.36	.37	T	T	T	T			T	.06		.18	.15				.05						.07	.01	2.89
Bismarck WB AP	2		.53	.04	.46	.38	.62	.08	.31			T	T			T	.05		.30					.04	.01				T		.08	.T	2.89
Bettieeau			.05	.02	.12	.22	.69		.32	.13		.05					.61		.44	.07	.07			T					.01	.05	.08	2.93
Bowbelle R 8 Sta.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	.15					T						.07	T	-
Bowman Court House	2 //		.05	.05	.48				.53	.04	T						.15		.09	.04					.03				.13	T	.01	1.58
Breiee	R		.80	.10	.63	.52		.01	.47								.15	.07														2.75
Butte			.28	.35	.38	.60	1.15		.29	.02					T		.05		.21	.10										T		3.44
Carrington				.80		.70	.40		T									.34	T	.95					T							2.98
Carree	9		.60	.39	.40	.14		*	.64							.03	.26		.31													2.77
Carree 2 SW			.70	T	.69	.20	T	T	.49			.04	.02			T	.25		.30						T				T	T	T	2.68
Cavalier Pwr Pl		.01	.61	.41	.55	.90	.56		.10	.18	.02		T		T	T	.19	.04	T	.55			T	T					T	.34	.13	4.59
Center			.58	T	.50	.25	.42		.50								T		.43					T						.12		2.80
Celgate			.85		.85	1.10	.65		.49								.50			.83					.02							4.89
Cooperstown			.40	.42	.65	1.12	.50		.34								.40			.83					.07				T			4.73
Courtenay			1.56	.46	1.06	.85	.30	.15	.45	T			.02				.27		.03	.62				.05				T		T		5.82
Crosby		T		.02	.04	.11	.11	.14	.01	.68	T		.16				.18	.03		.22									.09	T	.08	1.87
Dawsee	R		.76		*	*	*	2.55	.30							.06	.22		.41	.02												4.32
Devils Lake WB City	Z	T	.67	T	.30	1.01	.18		.18	.06		T	.02	T			.60	T	.92	.12	T			.02		T			T	.02	T	4.13
Dickieeee CAA AP	Z		.15	.33	.44		T	.07	.51	T	T	.04				.14			.01			.03	T	.01	T	T			T	.03	1.79
Dickineee Exp Sta.		.01	.04	.14	.63	.02	T	.04	.21	.29		T	.35			T	.06	.01	T	.02		.07		.20	.02	T	T			T	.02	2.13
Drake				.49	.20	.11	1.30	.13		.27								.13	.02		.62										.04	3.31
Dunn Center			T	.08	.63	.05	T	.38	T	.48			.06				.03			T	.04											1.73
Dunseith St. Sanitar			.12	.02	.20		.45		.20	.10			.05				.57	.08	.30	.14	.04									.10		2.37
Eckman		T		.10	.05	.20	.80	.01	.01	.45							.48	.10			.54			.05							.17	2.96
Edgeley Exp Farm	Z		1.46	.02	.87	1.27	.16	.06	.72								.20		.13	1.26					.07				T	T	T	8.22
Edmore 1 W				.47		1.41	.15		.20	.11							.52			.52	T			T		T			.26	T		3.94
Elbowoods				T		.32	.20		.36							T	T		.06		T										.94
Elleedale			1.25	.04	.51	2.26	.43	.03	1.16	.02		T	T			.02	.25		.80	.48					.06			T	.13	.03	T	7.47
Epping					.12		.23		.37	.05		.01					.07		.05													.80
Fairfield 9 N			.05	T	.38		.08		.45					T		T			.14			.03		.02							.04	1.19
Fargo WB AP	Z //		.73	.12	.13	.96	.21	T	1.17	T			.02				.49	T	.09	1.02	T	T	T	.03	.03				.02	.02	.06	T	5.00
Fessenden		.10	.96		.48	.35											.08		.96											.03		2.96
Flasher				.58		.49	.10		.45	.03							.26			1.49												3.40
Forman			.71	.20	.08	.73	.96		1.56								.53		T	.90		T							.20			5.77
Fort Yates	Z		.82		.42	.17	.01		.51				.05			T	.15		.55	.02	.16											2.66
Fozhelm Wildlife Ref			.04	.17	.19	.19	.58		.40	.06							.36		.18	.02										.10		2.30
Fryburg		.02	.01	.02	.60	.04		.03	.10	.52						.01	.12	.01	.08	.01		.03		.23	.02				.06		.02	1.93
Fullerton			1.24	.04	.83	2.04	.43		1.19							T	.26		T	1.72					.08				.17	.05	T	7.92
Gackle			.82	.24	.67	.64	.33	.06	.38	T			.89				.24		.04	.75	.01				.10							5.16
Garrieee			.43	.01	.43	.05	.23	T	.39	.01							.08		.41		T			T		T				.05		2.08
Glee Ullie	9		.31	.30	.63	.09	.05	.08	.33				.05				.20		.27					.04								2.35
Golva 1 SE	9		*	*	.19			.02	.28			.21			*	*	*	*	*	.44			*	.08								1.20
Graftee 9t. Sch1			.48	.37	.68	.86	.66		.11	.09	.08						.24			.64										.26	.08	4.86
Grand Forks CAA AP	Z //	T	.49	.03	.40	1.01	.07		.29	.07				T			.25		T	.74	.02				.02				.17	.05	.04	3.85
Grand Forks Univ		T	.54	.18	.58	1.22	.62	.01	.41	.07	.05						.07	T	T	.80	.03			T	.03				.01	.22	.04	4.88
Grane	8 //	.07	.10	.03	.33	.72	.58		.50	.13							.31	.03	.24	.03				.03								3.10
Graeville		T	.16		.28	.36	.80		.37	.04							.45		.40											.08		2.94
Greeora					-	-			-	-									T													-
Halliday			.07		.57		.33	.11	.30			.13				T	T		.15			.06								.04	.07	1.83
Hankineee R R Sta			.43		T	.10	1.20	.33	.05	.92							.04	.17		.65	.49				.02				T			4.37
Hannaford	9		.55	.11	1.04	.67	.22	.02	.35		-	-	-	-	-	-	-	-	-	-	-											-
Hannah			.08	.02	.24	.74			.38	.21			.23				.58			1.57						.10			.03			4.16
Hanshere		.01	.02	.01	.10	.18	.01		.10	.07			.37				.58	T	.15	.70				.05					.04	T		2.37
Harvey Water Wks			.50		.04	.20	1.50		.15	.04							.08	.04	.02	.07				.07		T				.05		2.76
Haynes 8 NE	R		.85	.08	.48			*	.75							.23				.03												2.44
Hettinger	Z		.40	.18	.71				.67	.17	T						.13		T	T									T	T		2.27
Hillsboro		T	.80	.19	.18	1.05	.14		.51	.04			.13				.31		T	1.02	.02			.02					T	T		4.38
Hurdsfield			*	*	*	*	2.59					.03					.30		.29								-	-	-	-	-	-
Jamestown CAA AP	2 //	T	1.24	T	1.08	1.34	.90	.22	.57	T			T				.36	T	.58	.14			T	T	.01			T	T	T	T	8.34
Jamestown St. Beep			.48	.05	.88	1.58	.37	.15	.50								.34	T	.05	.71					.03				.02		.02	5.16
Kenmare		.20		.03	.22	.04	.90	.14	T	.74							.20	.06	T	.07				T							.02	2.62
Kensal Wildlife Ref			1.05	.35	.68	1.43	.43		.28								.19		.37	.84					.09							5.71
Kramer 6 9E	R		.18	.02	.37	.25	.13		.44	.01		.15					.68		.43		.03									.08		2.75
La Moure			1.05	T	.32	.90	.91	.07	.99								.30	.03	.65	.01					.06			.03	.02	.01		5.25
Langdoe Exp Farm			.27	.38	.38	.44	.54		.28	.22	.06		.05				.35			.88				.01		.04			.10	.10		4.08
Leeds			.40	.19	.30	.75	.77		.19	.11	.02		.03				.75		.49	1.22									.17		T	5.36
Lietee			.99	.02	.54	1.12			.53			T	T				.27		.23		.23				.04					T	T	3.97
Lisbon			.50	.56		.09	1.77	.40	.08	1.12							.19	.63	T	.94					.03							6.30
Haddock Agr Sch		T	.72	.24	.28	.40	.47		.35	.04			.05				.92	.04	1.30	.50									.08	.12	.06	5.27
Haedan Exp Sta	2	T	.15	.26	.85	.05	.38	.34	.31	.15		T	T	T			.02	.07		.68					.04						.03	3.13
Handan Ft. Lieceln Pk			.48	T	.72	.27	.38	.18	.49								.14		.26	.12					.03					T	T	3.07
Harmarth			.20	.02	.34				.62	.07		T				T			T						.03				T			1.28
Hartie		T	.28		.30	.22	.12		.25								.15		.33	T										T		1.65
Hax			.63	T	.37	.46	.32	.27		.45			.02						.61													3.13
Hayville		.24	.92	.17	.33	.96	.57	T	.59	.09	.02						.39	.02		1.07	.11	T			.04					.04		5.50
Hc Clusky			.87	.13	.36	.63	.88		.29				.07				.11		.38	.20				.05	.03					.02		3.62
Hc Henry 5 N		.03	.26	.30	.51	1.05	.42	.02	.24	.02	.03						.40	.03		.47					.07					T	.05	3.90
Hc Leod 3 E			.40	.30	.08	1.39	.30	.17	1.14								.38			1.43	.11			T					.04		T		5.74
Hc Ville			.40	.23	.90	1.26	.40		.24	.05	.03						.30			.38											.05		4.24
Medina 1 W			1.31	.94	.78	.55	2.15		.58								.18		.05	1.13													7.67
Medora T R N M P				.02	.32				.47	.02													.18							T	T	1.01
Melville	9		.69	.02	.52	.75	.14		.27				.04				.15		.55						.08							3.21
Minot CAA AP	Z //	T	.43	.12	.49	.33	.33		.51	.02						.01	.23	T	.39				T	T		T			T	.05	T	2.90
Minot Exp Farm		.02	.15	.11	.47	.07	.21		.31	.02							.27	.T	.28	.01				T		.01						1.94
Moffit R R 3ta			.24	.70	.22	.05	.24	.44	.34	.14				T			T	.10		.44		T										2.91
Mohall			.22		.23	.36	.56		.40	.22		T					.39		.27					.06						T		2.71
Montpelier		T	.97	.70	.34	.69	1.70	.24	.19	.41							.17	.17	.04	1.24					.09				T	T	T	6.85
Mott			.53	.07	.51				.44			.05				.20			.02													1.91
Munich 4 SW			.17	.09	.29	.55	.49		.09	.05			.22				.44	.02		1.46				T		T			.19	.09		4.11
Napoleon 1 SE	2		1.50	.10	.90	.40	1.12	.10	.40								.05		.12	.36	T				.04					T	.07	5.06
New England			.44	T	.91			T	.74	.09			T				.19								.09						.02	2.43
New Rockford		T	.80	T	.35	.90	.70		.31	.05							.51		.95	T				.02						.03		4.52
New Rockford 9 NW		T	.60	.15	.50	.38	.39	T	.29	.02							.37	.04		.62	T			.03	.02				T	T	T	T	3.41
New Salem 1 S			.40	T	.55	.23	.27	.03	.49				T				.13		.42													.10	2.61
Oakes	2		.50	.42	.14	.19	1.19	.21	.11	1.07							.04	.24		1.34	.06				.14				.47			6.11
Park River			.94	.40	.79	.99	.33		.12	.09							.46	.02	T	.67				T					T			4.53
Parshall			.01	T	.45	.03	.59		.35	.09							.10		.06					T						.04		1.68
Pembina CAA	2 //	T	.39	.02	.41	1.39	.24		.22	.40			T							.79	T		.03	.03						.25	T	.14	5.27
Petersburg		.11	1.09		.90	.70	.13		.20	.05							.39	.03	T	.50										T	.08		3.96
Pettibeee			.90	.09	.40	.79	1.21	.23	.27				.03				.20		.05	.69	T				.10						T		4.95
Portal		T		.05	.13	.05	1.44	.05	T	.90			.05				.50	.04		.42													3.51

See reference notes following Station Index.

Table 3–Continued

DAILY PRECIPITATION

NORTH DAKOTA
MAY 1950

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Pretty Rock			.69	.43	.04	.08		.04	.38			.05				.04		T			T	T	T	T	T			T		T	T	.05	1.80
Raub	R //				.45		.34		.46								.11		.03													1.38
Reeder 14 N		T	T	.05	.08				.28	.07			.16				.18		T													.80
Richardtnn Abbey	Z		.40	.07	.63	T	.10	T	.63	.01	T	T	.01			T	.23		.04			.02		T	.02	T					T	.02	2.18
Riverdale	Z	T	.07	.11	.42	.24	.46		.31	.02		T				T	.25		.42		T			T	T		T	T			.11	T	2.41
Rolette	R		.36	.05	.18	.08	.02		.20	.05		.03					.65		.73											.11	.07		2.53
Rolla		T	.22	.11	.20	.48	.54		.23	.17			.53				.66	T	.38	.22				.05						.01	.07	.01	3.88
Rugby			.25	.26	.22	.65	.80		.23	.15							.62	.05	.30	.46										T	T	.03	4.02
Ryder						.30	.57		.51	T								.15				.20	T							T	T	T	1.73
Saniah				T	.35	.03	.15	.10	.05	.35			T			.26					.08			.03							T		1.40
Sarles	R //	-	-	-	-	-	-	-	-			.11	.26				.53		.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selfridge			1.20	.70	.32	.58		.02	.50							.04			.11											T	T	T	3.47
Sharon			.90	.75	1.20	1.55	.40		.20	T							.45			1.20		.03								.02	.03		6.73
Sherwood		.03	.20	.18	.16	.28	.38		.38	.32			T			.60		.01	.30				T								.01		2.83
Sheyenne	R		.76	.02	.42	1.04	.40		.32								.54		.59	.02												.08	4.20
Stanley					.37	.41	.43		.47	.43		T					.46		.08												T	T	2.65
Steele			1.38	.04	.85	.92	.45	.22	.68		.04						.02		.41	.35	T				.04	T					T		5.20
Tagus			.15	.05	.25	.04	.30		.18	.16							.36	T	.25					.05							.04		1.83
Tioga				T	.22		.55		.47								.17																1.41
Towner		.45	.05			.55	1.35	.36	.04								.95			.05									.13				3.93
Trottere			T	.18	T		.05	T	.75			.02	.05			.12		T			T		.07		T					.02	T	1.26
Trottere Gen Store	R			.05	.11		.05	.08	.38	.01		.05	.03			.15					.01		.01							.07	.05	1.03
Turtle Lake				.40	.01	-	-	-	.47								-	.09	-		.36				-						.06	.02	-
Tuttle 8 SW		T	.78	.52	.48	.28	.90	.05	.59	.08							.10		.61						.16							T	4.55
Underwood 12 W		T	.12	.18	.15	.18	.60		.45	.12	T	T	T			T	.17		.43		T			.20	T	T				T	.10	T	2.68
Upham Wildlife Ref		T	.05	T	.30	.40	.70	T	.30	.15			.20				.70	.04	.40	.05				T									3.29
Valley City			.88		.80	1.05	.73		.42				.05				.35	T		.82					.10								5.00
Van Hook			T	T	.41	.01	.37		.32	.02							.22		.04					T						T	.05	T	1.44
Velva		.03	.09	.03	.43	.39	.66		.21	.03			T				.33	T	.43	T						T			T		T	T	2.63
Verona					.80		1.10	.15	1.65								.40			1.20											.10		5.40
Wahpeton St School			.60	.18	.04	.56	.18	.20	.88	.05			.01				.50			1.20					.30						.08	.04	4.80
Wahburn			.52		.44	.38	.40		.65				.05				T		.30	.13				.06	T						.10		3.03
Watford City					.34	.03	.58	.07	.68	.05			.06			.03			.09												.05	.07	2.03
Westhope			.15	.06		.06	.48		.42	.10							.48	.02	.58	T				.04							T		2.40
Wildrose				T	.29	T	.38	.12	.68			.08					.17	T	.12												T	.06	1.88
Williston WB City	Z		T	T	.15	T	.37	T	.66	.01		T	T			.06	T		.01		.02	T	T	T	T					T	.01	.02	1.31
Willow City			.20	T	.28	.42	.28		.20	.05			.10				.53	T	.47	.10	T			.02		T				T	.13		2.78
Wilton R R Sta			T	.30	.20	T	.70		T	.35			.05							.46					.05							.07	2.18
Winhek		T	.84	.78	.82	.92	.83	.12	.33	.18	.01		.04	T			.03	.04		.58	T	.01			.13	T					.07		5.33

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA
MAY 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
ASHLEY //																								.03	.03
BALFOUR								.01	.02	.01	.01														.05
ESMOND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FORT YATES	.03	.03	.06	.04	.02	.04			.09	.07	.08	.11	.01	.01	.01	.01	.01	.03							.65
GRANO //	.01		.01					.01	.01	.01	.01	.01													.07
JAMESTOWN CAA //																						*	*	*	*
MC GREGOR RR STATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	.03												.03
SARLES S E //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEARING //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—2d—																									
AMIDON										.01	.02							.02							.05
ASHLEY //	.08	.05	.05	.18	.25	.17	*	.30	.19	.15	.18	.15	.17	.04											1.94
BALFOUR						.01	*	.04	.02	.03		.01	.03	.01	.02	.03	.02	.03	.01	.03		.01			.30
BEACH																.01	.01								.02
BISMARCK WB AIRPORT		.01	.03	.01	.02	.03	.02	.04	.03	.04	.04	.10	.04	.03	.03		.03	.03							.53
BOWMAN COURT HOUSE //								.02	.03	*	*	*	*	*	*	*	.22								.27
BREIEN	.04	.02	.04	.04	.06	.10	*	.09	.05	.06	.10	.02	.08	.01	.01	.01									.80
CARSON	.02	.03		.01	.04	.05	.05	.01	.05	.05	.04	.05	.05	.01	.05	.09									.60
DAWSON			.01	.02	.02		.02		.01	.08	.07	.08	.07	.09	.05	.05	.02	.03	.11	.02	.02				.76
DEVILS LAKE WB CITY							.02	.05	.03	.04	.05	.04	.07	.07	.06	.04	.04	.04	.05	.05	.01	.01			.67
DICKINSON CAA								.01	.01	.01	.01	.02	.01	.01	.01										.09
EDGELEY EXP FARM	.04	.05	.09	.09	.05	.09	.28	.15	.17	.13	.10	.09	.08	.10	.10	.02	.03								1.82
FARGO WB AIRPORT //					.01	.14	.03	.10	.12				.01	.02	.13	.07	.02				.08				.73
GLEN ULLIN					.01	.01	.01	.03	.04	.01	.05	.08	.03	.03	.01										.31
GOLVA 1 S E							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GRAND FORKS CAA //								.01	.05	.05	.04	.05			.02	.01	.02	.02		.02	.01	.01	.02	.01	.34
GRANO //																*	*	*	*	.08		.01		.01	.10
HANNAFORD			.01			.02	.01	.02	.02	.02	.05	.04	.01	.02	.03	.01	.06	.03	.01	.04		.04	.02	.09	.55
HAYNES 6 NE					.04		.07	.08	.10	.09	.04	.03	.03	.05	.05	.01	.05	.08	.11	.02					.85
HAZELTON R R STATION //	.01	.01	.03	.05	.03	.05	.08	.04	.05	.05	.14	.11	.15	.08	.02	.03	.06	.15	.01						1.15
HURDSFIELD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
JAMESTOWN CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.24	1.24
KRAMER 5 SE										.01	.02	.01	.02	.02	.01	.03	.01					.01	.01	.01	.18
MANDAN EXP STATION		.03	.02	.01	.02				.01	.02	.03	.03	.01	.02	.02	.03	.03		.01				.02	.01	.32
MELVILLE				.01	.03	.02	.05	.02	.04	.02	.08	.04	.03	.05	.03	.05	.05	.06	.03	.08	.01	.01			.89
MINOT CAA //							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NAPOLEON 1 SE	.01	.10	.05	.08	.02	.05	.11	.09	.01	.24	.15	.10	.22	.09	.04	.05	.10	.05	.05	.05					1.66
OAKES	.03	.07	.08	.05	.02	.08	.10	.05		.01	.04	.08	.07	.08	.02			.02	.04	.01		.01			.84
PEMBINA CAA //										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PETTIBONE				.04	.03	.05	.05	.05	.03	.05	.07	.13	.12	.15	.06	.08		.05	.01	.03					1.00
RICHARDTON ABBEY							*	.10	.08	.02	.04	.01	.05	.05	.05	.04	.01								.45
RIVERDALE	.03	.01																				.02	.03		.09
ROLETTE											.01	.03	.02	.05	.04	.01	.05	.04	.05	.01	.03	.02			.36
SHEYENNE							.02	.03	.04	.08	.08	.10	.06	.06	.08	.08	.06	.03	.03			.01	.01	.01	.78
—3d—																									
AMIDON																	.01			.01	.04	.05	.06	.08	.25
ASHLEY //																							.01	.01	.02
BEACH																					.02	.02	.08	.05	.15
BISMARCK WB AIRPORT																							.01	.03	.04
BOWMAN COURT HOUSE //															.03	.04		.01	.08	.08	.10	.06	.08	.08	.54
BREIEN																			.01	.01	.02	.01	.02	.03	.10
CARSON	.01	.02	.01															.01		.02	.03	.09	.05	.15	.39
DICKINSON CAA																			.01	.02	.03	.08	.06	.05	.23
FARGO WB AIRPORT //	.09	.01	.01	.01																					.12
FORT YATES	.04	.08	.08	.09	.01	.04	.05	.04	.01							.01	.04								.45
GLEN ULLIN	.01	.01	.01						.01									.04	.01	.01	.03	.05	.07	.05	.30
GRAND FORKS CAA //		.01	.01	.01																					.03
GRANO //	.01	.01		.01																					.03
HANNAFORD	.05	.03	.01										.01		.01										.11
HAYNES 6 NE																			.01	.01		.01	.02	.04	.09
HAZELTON R R STATION //																							.01	01	.02
KRAMER 5 SE	.01	.01																							.02
MANDAN EXP STATION																						*	*	*	*
MELVILLE						.01			.01																.02
OAKES																.05				.05	.01	.01		.01	.13
PEMBINA CAA //	*	.42																							.42
RICHARDTON ABBEY																		.01	.04	.01	.05	.08	.05	.07	.31
RIVERDALE																			.38		.01				.37
ROLETTE		.01	.02	.02																					.05
SHEYENNE	.01	.01																							.02
TROTTERS GEN STORE																		.01	.01				.01	.02	.05
—4th—																									
AMIDON	.02	.04	.04	.01			.09	.04	.01																.25
ASHLEY //	.01	.04	.11	.19	.07	.01	*	.02	.01	.02	.01													.01	.50
BALFOUR				.01	.01	.01	*	.04	.04	.03	.01		.01	.02	.01	.01			.01	.01					.22
BEACH	.05	.01	.02	.02	.01	.01	.01		.01									.01							.15
BISMARCK WB AIRPORT	.07	.07	.07	.07	.06	.06	.03	.02	.01																.48
BOWMAN COURT HOUSE //	.07	.08	.10	.05	.01	.01	.01																		.31
BREIEN	.12	.07	.01	.01	.02	.40																			.83
CARSON	.11	.09	.05	.05	.02	.03					.01	.01	.02		.01										.40
DAWSON	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DEVILS LAKE WB CITY						.04	.01	.04	.04	.02	.04	.01	.02	.01				.04			.03				.30
DICKINSON CAA	.09	.10	.08	.04	.10	.05	.01	.03	.01	.02															.51
EDGELEY EXP FARM			.05	.05	.10	.05	.05	.03	.09	.04	.02	.02	.10	.04			.22	.01	.01						.88
FARGO WB AIRPORT //														.12	.01										.13
FORT YATES						*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.15			.15
GLEN ULLIN	.09	.08	.05	.05	.04	.01	.25	.04	.02	.01		.01													.83
GOLVA 1 S E	*	*	*	*	*	*	*	.19																	.19
GRAND FORKS CAA //								.01	.04	.01		.03	.08	.10		.03	.05	.01	.02	.01	.01				.40
GRANO //	*	*	*	*	*	*	*	*	*	.30	.01					.01		.01							.33
HANNAFORD		.01	.01			.02	.04	.01	.04	.04	.01	.07	.08	.04	.14	.07	.14	.06	.25					.01	1.04
HAYNES 6 NE	.08	.03	.03	.10	.07	.01	.04	.02		.01	.04	.05				.01	.01	.01							.49
HAZELTON R R STATION //	.05	.05	.12	.03	.02	.01	.05	.05	.01	.01		.02		.01			.01								.44
JAMESTOWN CAA //				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.08	1.08
KRAMER 5 SE					.01	.03	.05	.03	.06	.01	.01	.01	.01	.01	.01	.02	.02	.07	.02						.37
MANDAN EXP STATION	*	*	*	*	*	*	*	.55																	.55
MELVILLE							.07	.11	.04	.03	.05	.06	.01	.02	.01	.01	.07			.03	.01				.52
NAPOLEON 1 SE	.02	.02	.09	.15	.10		.06	.04	.04	.01	.01			.01	.01	.01	.01	.10	.06					.01	.75
OAKES								.01	.02					.01	.01	.01								.01	.07
PEMBINA CAA //											.04	.04		.03	.03	.17	.18	.25	.15	.05	.14				1.01
PETTIBONE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
RAUB //	*	*	*	*	*	*	*	.42	.02		.01														.45
RICHARDTON ABBEY	.07	.08	.05	.05	.02	.02	.02																		.37
RIVERDALE								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ROLETTE								.05	.02	.01	.02		.03	.02		.01					.02				.15
SHEYENNE					.02	.05	.07	.07	.01	.04	.01	.03	.01	.01		.01	.06	.03							.45
TROTTERS GEN STORE	.01				.01		.01	.03	.04	.01				.											.15

See reference notes following Station Index.

Table 4—Continued

HOURLY PRECIPITATION

NORTH DAKOTA
MAY 1950

Station	A. M. Hour ending												P. M. Hour ending											Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
WILLISTON WB CITY		.02	.02	.03	.03		.02	.01			.01	.01													.15
—5th—																									
ASHLEY //						.07	.13	*	*	.08															.28
BALFOUR								*	*	*	.06	.02	.05	.05	.07	.05	*	*	*	*	*	*	*	*	*
BISMARCK WB AIRPORT							.01	.02	.02	.01	.02	.02	.02	.03	.03	.02	.01	.01	.03	.03	.03	.03	.03	.02	.39
BOWMAN COURT HOUSE //								*	*	*	*	*	*	.05											.05
BREIEN			.01		.01	*	.16	.09	.14	.06	.04	.01													.52
CARSON								*	*	*	*	*	.14												.14
DEVILS LAKE WB CITY			.01						.01	.07	.01	.05	.12	.06	.08	.07	.10	.18	.06	.02	.05	.07	.02	.03	1.01
EDGELEY EXP FARM	.02	.01					.10	.06	.09	.03	.19	.17	.14	.14	.22	.15	.01	.03	.02	.03	.01				1.44
FARGO WB AIRPORT //						.01	.01	.01	.02	.02	.06	.06	.29	.33	.04									.01	.66
GLEN ULLIN			.01	.01	.01						.02	.03	.01												.09
GRAND FORKS CAA //					.03	.01						.01		.05	.18	.35	.06	.10	.03	.07		.03	.03	.04	1.01
GRANO //	.01	.01	.01											.06	.05	.04	.10	.04	.06	.05	.09	.06	.10	.04	.72
HANNAFORD		.03	.01						.04	.01	.03	.04	.04	.11	.14	.14	.02	.01	.01	.01	.01	.01	.01		.87
HAZELTON R R STATION //	.02	.01				.05	*	.15	.05	.15	.10	.10	.06	.14	.15	.05	.07	.08	.02	.03	.02	.02	.01	.01	1.24
JAMESTOWN CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.34	1.34
KRAMER 5 SE													.03	.05	.01	.04	.01	.02	.02	.02	.02	.01		.02	.25
MANDAN EXP STATION											.01	.04	.01	.01	.01	.01	.01		.01	.01	.01				.12
MELVILLE					.01	.01		.01	.04	.07	.06	.08	.10	.07	.05	.09	.09	.02	.03	.02					.75
NAPOLEON 1 SE							.03	.10	.04	.02	.04	.04	.01	.05	.02	.02			.01					.01	.39
OAKES						*	.05	.09	.01	.15	.15	.05	.05	.24	.11	.04	.02	.04	.03	.02	.03	.02		.01	1.11
PEMBINA CAA //								.01			.01	.05	.02	.03	.15	.15	.07	.04	*	*	*	*	*	*	*
RICHARDTON ABBEY								.02	.02																.04
ROLETTE															.01		.01	.01	.01	.01		.02		.01	.06
SHEYENNE	.02	.02							.01	.11	.10	.13	.05	.10	.10	.10	.05	.06	.06	.03	.02	.03	.02	.03	1.04
—6th—																									
ASHLEY //	*	*	*	*	*	*	*	.14	.01		.01			.01											.17
BALFOUR	*	.15	.03	.04	.04	.02	.03	.02	.05	.02	.01	.03	.01	.01											.76
BISMARCK WB AIRPORT	.01	.01	.02	.02	.02	.02	.03	.05	.04	.04	.03	.04	.02	.01	.01	.01	.02	.02	.03	.04	.03	.03	.04	.03	.62
DEVILS LAKE WB CITY	.03	.05	.02	.02	.03	.03	.01																		.19
EDGELEY EXP FARM	.02	.02	.01						.03				.01	.02	.01	.01	.02	.03						.01	.19
FARGO WB AIRPORT //	.04							.01								.01	.03	.01	.03	.02	.01			.05	.21
GLEN ULLIN									.01				.01	.01		.01		.01							.05
GRAND FORKS CAA //		.01	.01		.01				.01	.01					.01	.01								.01	.08
GRANO //	.01	.04	.06	.01	.11	*	.09	.05	.11	.06	.01	.01													.56
HANNAFORD	.02	.04	.01							.01			.01	.01		.01	.01		.02	.03	.04	.01			.22
HAZELTON R R STATION //	.03	.01	.03	.02	.01	.01	.03	.10	.01			.01	.01									.01	.01	.01	.30
HURDSFIELD	*	*	*	*	*	*	*	*	*	*	*	2.45	.05	.04	.02										2.58
JAMESTOWN CAA //	*	*	*	*	*	*	*	*	*	*	*	*	.47	.05	.04	.01	.03	.02	.02	.03	.04	.01	.05	.04	.61
KRAMER 5 SE	.03	.01	.01			.01	.02	.01	.01	.02	.01														.13
MANDAN EXP STATION			.01	.01	.01	.02	.03									.01	.02	.01	.01		.02	.02	.01		.16
MELVILLE				.01	.01						.01					.01	.01		.03	.03	.03				.14
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	2.10												2.10
NAPOLEON 1 SE	.01	.01						.05	.02	.01	.01		.01				.01					.01	.01	.01	.16
OAKES	.04	.05	.02	.01		.01		.01			.01	.01	.01	.01		.02	.02	.01	.01	.02	.01	.01	.03	.01	.32
PEMBINA CAA //	*	.32																							.65
PETTIBONE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.25	.06	.03	.01	.01		.01	.04	2.43
RAUB //				.01	.01	.01	.02	.04	.04	.03	.04	.04	.04	.08											.34
RICHARDTON ABBEY									.01	.01	.01	.02	.01	.02		.01			.01						.10
RIVERDALE	*	*	*	*	*	*	*	.70																	.70
ROLETTE	.01	.01																							.02
SHEYENNE	.01	.24			.01	.02	.02	.05	.01	.04															.40
TROTTERS GEN STORE													.01	.01	.01	.01	.01								.05
WILLISTON WB CITY								.02	.03	.02	.02	.03	.09	.06	.06	.02									.37
—7th—																									
AMIDON																		.02	.03	.01				.01	.07
ASHLEY //																					.02				.02
BEACH							.01	.02	.01																.04
BISMARCK WB AIRPORT		.01	.01																		.01	.01	.02	.02	.06
BOWMAN COURT HOUSE //																	.01	.09	.04	.01	.01			.01	.17
BREIEN																								.01	.01
CARSON																			*	*	*	*	*	*	*
DAWSON	*	*	*	*	*	*	*	*	*	2.52												.01	.01	.01	2.55
DICKINSON CAA			.01		.01																.06	.05			.15
EDGELEY EXP FARM		.01	.01	.01		.01			.01					.01		.01	.02				.01		.06		.16
FORT YATES																				.02	.06	.02	.01		.11
GLEN ULLIN																							.05	.03	.06
GOLVA 1 S E																			.01	.01					.02
GRAND FORKS CAA //	.01																								.01
HANNAFORD	.01	.01																							.02
HAYNES 6 NE																*	*		*	*	*	*	*	*	*
HAZELTON R R STATION //	.02									.01															.03
JAMESTOWN CAA //	.02	.05	.04				*	*	*	*	*	*	.49	.05					.01		.01	.02		.01	.70
MANDAN EXP STATION		.01			.01	.01	.02	.01														.01	.01	.02	.10
NAPOLEON 1 SE	.01																		.01			.02		.01	.05
OAKES	.01	.02																					.01	.04	.08
PETTIBONE								.04																.03	.07
RICHARDTON ABBEY																				.06	.06	.02			.14
RIVERDALE																				.02	.05	.06	.07	.03	.23
TROTTERS GEN STORE																					.03	.02	.01		.08
—8th—																									
AMIDON	.01	.01				.01	.04	.07	.31	.02	.01	.02	.02		.02	.01									.55
ASHLEY //		.02	.01	.07	.04	.02	.19	.10	.08	.09	.06	.04	.01												.75
BALFOUR									.01	.04	.05	.08	.02	.04	.01				.01						.26
BEACH						*	.05		.05	.09	.02	.05	.06	.06	.03	.01	.01	.01	.01	.01					.46
BISMARCK WB AIRPORT							.01	.07	.09	.08	.04	.02	.01		.01										.31
BOWMAN COURT HOUSE //		.01	.01	.01	.05	.07	.08	.10	.10	.03	.01	.01	.01	.01	.03										.53
BREIEN	.03				.01	.06	.20	.09	.01				.01		.01	.01	.01	.01							.47
CARSON	*	*	*	*	*	.24	*	.25	.10	.05															.64
DAWSON	.01						.05	.09	.01	.01	.05	.04	.04												.30
DEVILS LAKE WB CITY										.01	.01	.02	.01	.01	.03	.05	.01	.01	.01	.01					.18
DICKINSON CAA			.01	.01	.01	.01	.02	.09	.09	.08	.03	.03	.04				.01	.02	.01						.44
EDGELEY EXP FARM				.01	.01			.18	.11	.08	.13	.10	.14	.01											.78
FARGO WB AIRPORT //									.02	.13	.20	.23	.20	.18	.07	.05	.02	.05	.01	.01					1.17
FORT YATES					.02	.15	*	.19	.04	.02	.02														.44
GLEN ULLIN	.01	.01						.04	.04	.07	.06	.03	.02	.02	.01										.33
GOLVA 1 6 E								.08	.03	.06	.02	.04	.01	.01	.02	.01									.28
GRAND FORKS CAA //											.01	.01	.01	.09	.06	.03	.01	.01		.01	.01			.01	.26
GRANO //									.01	.03	.01	.02	.03	.04	.11	.05	.07	.04	.04	.01	.03		.01		.50
HANNAFORD								.01	.03	.06	.04	.10	.09	.01								.01			.35
HAYNES 6 NE	*	*	*	*	*	*	*	*	*	*	*	*	*	.75											.75
HAZELTON R R STATION //			.01	.02	.01	.01	*	.22	.08	.05	.01	.03	.01												.45
KRAMER 5 SE											.01	.06	.10	.07	.06	.02	.04	.02	.01	.01	.01	.01	.01	.01	.44
MANDAN EXP STATION	.01			.01	.01	.07	.10	.06	.06	.03	.01	.01													.37
MELVILLE							.01	.03	.04	.03	.02	.05	.03	.02	.03	.01									.27
MINOT CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NAPOLEON 1 SE	.01						.14	.10	.05	.01	.02	.02	.02	.01											.38
OAKES									.06	.25	.22	.23	.20	.01	.03		.01			.01	.01				1.05

See reference notes following Station Index.

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
PEMBINA CAA	//														.09	.01		.02	.03		.01	.01			.02	.19
PETTIBONE								*	.10	.06	.04	.04	.02	.07	.02											.35
RAUB	//								.01	.02	.05	.06	.06	.06	.06	.02	.01	.01	.01	.04	.02	.01				.46
RICHARDTON ABBEY							.04	.07	.08	.04	.05	.05	.06	.05	.01			.01							.01	.47
RIVERDALE		.05																								.05
ROLETTE														.02	.08	.02	.02	.03	.01	.03	.01					.20
SARLES 3 E	//	-	-	-	-	-	-	-	-	-	-	-	-	.01				.01	.03	.01	.01	.01				-
SHEYENNE										.07	.08	.02	.01	.04	.05		.03	.01	.01							.32
TROTTERS GEN STORE										.03	.07	.06	.05	.03	.03	.01	.03	.02						.03	.02	.38
WILLISTON WB CITY		.01				.01				.01	.02	.02	.05	.06	.11	.15	.07	.03	.03	.04	.01	.01	.01			.86
													—9th—													
BALFOUR				.01	.01		.01																			.03
BOWMAN COURT HOUSE	//																.03	.02	.02							.07
DEVILS LAKE WB CITY					.01	.01				.01							.01	.01		.02	.01					.08
GRAND FORKS CAA	//	.03													.01	.01				.02						.07
GRANO	//						*	.09	.01		.01							.01	.01							.13
KRAMER 5 SE		.01																								.01
MINOT CAA	//	*	*	*	*	*	*	*	.55																	.55
PEMBINA CAA	//	.01							.04	.01						.01	.04	.05	.05	.02						.23
ROLETTE										.01	.04															.05
TROTTERS GEN STORE		.01																								.01
WILLISTON WB CITY						.01																				.01
													—10th—													
HANNAFORD						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													—11th—													
AMIDON																			.03	.01						.04
BEACH																		.01								.01
DICKINSON CAA																					.04					.04
FORT YATES																							.03	.02		.05
GOLVA 1 6 E																.01	.05	.15								.21
HURDSFIELD									.02	.01																.03
KRAMER 5 SE																						.15				.15
PETTIBONE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
RICHARDTON ABBEY																				.01	.01					.02
ROLETTE																							.02	.01		.03
SARLES 3 E	//																							.06	.05	.11
TROTTERS GEN STORE															.01	.02				.01				.01		.05
													—12th—													
BEACH								.01	.02	.01																.04
DEVILS LAKE WB CITY		.02																								.02
FARGO WB AIRPORT	//															.02										.02
GLEN ULLIN																							.05			.05
MELVILLE					.03	.01																				.04
PEMBINA CAA	//																-	-	-	-	-	-	-	-	-	-
PETTIBONE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05							.05
SARLES 3 E	//	.15	.11																							.26
TROTTERS GEN STORE							.02	.01																		.03
													—14th—													
GOLVA 1 S E																					*	*	*	*	*	*
													—15th—													
AMIDON						.04	.09																			.13
ASHLEY	//																							.01	.02	.03
BEACH																	.01	.09					.01			.11
BOWMAN COURT HOUSE	//																		.07	.07						.14
CARSON											.01	.01													.01	.03
DAWSON							.04	.01	.01																	.06
DICKINSON CAA								.01	.01											.01	.02	.01	.03	.01	.01	.11
EDGELEY EXP FARM																								.01	.01	.02
HAYNES 6 NE										.01	.05	.05	.03	.01	.01							.05	.01	.01		.23
RICHARDTON ABBEY																.01							.01			.02
RIVERDALE																			.10	.01	.01				.10	.22
TROTTERS GEN STORE																		.05	.05	.04	.01					.15
WILLISTON WB CITY																								.05	.01	.06
													—16th—													
ASHLEY	//								.07	.05		.01	.03			.01										.17
BALFOUR			.02	.04		.01																				.07
BISMARCK WB AIRPORT								.01					.01	.03												.05
BOWMAN COURT HOUSE	//		.02	.06					.01	.02	.01	.01														.13
BREIEN			.15																							.15
CARSON		.22	.04																							.26
DAWSON				.21	.01																					.22
DEVILS LAKE WB CITY									.03	.13	.24	.09	.01	.01	.03	.03	.03									.60
DICKINSON CAA		.02	.01	.01																						.04
EDGELEY EXP FARM			.01	.02		.01			.01		.09	.05	.01													.20
FARGO WB AIRPORT	//		.01			.01				.05	.03		.06	.16	.14						.01					.49
FORT YATES						.15		.01																		.16
GLEN ULLIN							.20																			.20
GRAND FORKS CAA	//												.05	.05	.05	.05	.04		.01							.25
GRANO	//	.05	.05	.08	.06		.01	.01	.02	.02							.01									.31
HAZELTON R R STATION	//					.04	.01	.01	.01	.02																.09
HURDSFIELD						*	*	*	*	*	*	*	*	*	*	*	*	*	*	.30						.30
JAMESTOWN CAA	//						.08	.03	.10	.12	.02															.35
KRAMER 5 SE			.09	.11	.07	.06	.16	.06	.01	.05	.03															.68
MANDAN EXP STATION												.09														.09
MELVILLE									.06	.03	.03	.01														.15
MINOT CAA	//	.01	.01	.02	.16		.01	.01																		.24
NAPOLEON 1 SE									.01	.01	.01	.01	.01													.05
OAKES							.01	.02		.03	.01	.05	.12	.03												.27
PETTIBONE								.05	.04		.01						.01		.10							.21
RAUB	//					.01	.01		.01	.01		.05	.02													.11
RICHARDTON ABBEY		.01	.01	.01	.19																					.22
ROLETTE						.05	.05	.20	.25	.03		.02		.01	.01	.03										.65
SARLES 3 E	//								.05	.11	.16	.14	.03	.02	.03	.01	.01	.01	.03	.01	.03					.88
SHEYENNE						.01		.01	.13	.19	.06	.02	.01		.05	.04										.54
													—17th—													
BREIEN													.02				.02		.03							.07
GRANO	//	.01	.02																							.03
HAZELTON R R STATION	//						.10																			.10

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

NORTH DAKOTA
MAY 1950

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
–18th–																										
AMIDON								.06	.01																	.07
ASHLEY	//																.05	.04				.13	.05	.35	.20	.82
BALFOUR														.01	.03	.07			.03	.09	.02			.01		.26
BEACH												.01	.01													.02
BISMARCK WB AIRPORT														.07	.01		.05	.04	.06		.07					.30
BOWMAN COURT HOUSE	//					.01	*	.04																		.05
CARSON												.04					.10	.15	.02							.31
DAWSON																			.01	.02	.01	.30	.05	.01	.01	.41
DEVILS LAKE WB CITY																				.04	.12	.31	.12	.11	.22	.92
EDGELEY EXP FARM																			.04	.10	.18	.32	.05	.01	.28	.98
FARGO WB AIRPORT	//																								.09	.09
FORT YATES																		.24	.01	*	.31				.01	.57
GLEN ULLIN									.01	.01	.04						.21									.27
GRANO	//													.05	.07	.03	.01	.06	.02							.24
HAZELTON R R STATION	//		*	*	*	*	*	*	.05	*	*	*	*	*	*	*	.04	.01	.09		.05	.13			.01	.38
HURDSFIELD																.03	.01	.04	.01	.15	.01	.01	.03			.29
JAMESTOWN CAA	//					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
KRAMER 5 SE															.03	.06	.03	.12	.08	.09	.02					.43
MANDAN EXP STATION														.10			.32	.01	.01	.18	.02					.64
MELVILLE					.01	.01													.05	.04	.21	.01	.02	.17	.03	.55
MINOT CAA	//										.02	.01			.02	.04		.11	.12	.03	.02					.37
NAPOLEON 1 SE													.01	.01	.01			.01	.05	.01	.05	.11	.18	.02		.46
OAKES																					.02	.39	.56	.08	.15	1.20
PEMBINA CAA	//	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–									–
PETTIBONE						.03		.26	.03	.16	.14	.01														.63
RAUB	//																.01	.01	.01							.03
RICHARDTON ABBEY			.01	.01					.02	.01																.05
RIVERDALE														.07		.01		.19	.12							.39
ROLETTE																	.14	.01	.07	.40	.02	.05	.04			.73
SARLES 3 E	//																				.16	.15	.10	.08	.02	.53
SHEYENNE																				.03	.15	.02	.09	.22	.08	.59
WILLISTON WB CITY											.01															.01
–19th–																										
ASHLEY	//	.04	.01																							.05
BOWMAN COURT HOUSE	//			.01	.01																					.02
DAWSON		.02																								.02
DEVILS LAKE WB CITY		.07	.05																							.12
EDGELEY EXP FARM		.32	.07	.01																						.40
FARGO WB AIRPORT	//	.05	.05			.02	.02	.05	.05	.11	.15	.13	.16	.13	.07	.03										1.02
FORT YATES			.01	.01			.01																			.03
GOLVA 1 S E		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.44								.44
GRAND FORKS CAA	//	.01	.13	.02	.02	.08	.05					.05	.07	.03	.05	.05	.06	.03	.01							.66
GRANO	//	.02	.01																							.03
HAYNES 6 NE										.01	.01	.01														.03
JAMESTOWN CAA	//	*	*	*	*	*	*	.72																		.72
OAKES		.06	.03																							.09
PEMBINA CAA	//		.01	.08	.14	.07	.01					.02		.01	.01	.04	.12	.12	.01							.64
SARLES 3 E	//	.04	.07	.02	.01		.01				–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SHEYENNE		.02																								.02
–20th–																										
FORT YATES												.04	.07	.04												.15
HANNAFORD		–	–	–	–	–	–	–	–	–	–	–	–	–												–
KRAMER 5 SE																				.02	.01					.03
RICHARDTON ABBEY																									.01	.01
TROTTERS GEN STORE																									.01	.01
WILLISTON WB CITY																									.02	.02
–21st–																										
DICKINSON CAA		.04																								.04
RICHARDTON ABBEY			.01	.01	.01																					.03
–22d–																										
GOLVA 1 S E																				*	*	*	*	*	*	*
TROTTERS GEN STORE																						.01				.01
–23d–																										
AMIDON																				*	*	*	*	.09		.09
BISMARCK WB AIRPORT																								.01	.03	.04
DEVILS LAKE WB CITY									.01															.01		.02
DICKINSON CAA		*	.03																							.03
EDGELEY EXP FARM															.01	.03	.02		.01							.07
FARGO WB AIRPORT	//																		.03							.03
GLEN ULLIN																							.03	.01		.04
GOLVA 1 S E		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.06	.06
GRAND FORKS CAA	//		.01	.01																						.02
GRANO	//			.01	.01			.01																		.03
HURDSFIELD				.01	.01																					.02
MANDAN EXP STATION																								.01	.02	.03
PEMBINA CAA	//							.01	.02																	.03
PETTIBONE																									.03	.03
RICHARDTON ABBEY																						.01				.01
–24th–																										
BISMARCK WB AIRPORT		.01																								.01
BOWMAN COURT HOUSE	//																.01	.01								.02
FARGO WB AIRPORT	//					.03																				.03
JAMESTOWN CAA	//							.01																		.01
MELVILLE		.08																								.08
NAPOLEON 1 SE		.02	.02																							.04
OAKES						.03	.01	.01																		.05
PETTIBONE		.05	.01																							.06
RICHARDTON ABBEY		.01	.01																							.02
–27th–																										
HURDSFIELD								–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–28th–																										
AMIDON																		.08	.22	.06	.15	.11			.01	.63
FARGO WB AIRPORT	//																					.02				.02
OAKES																.01	.02						.18	.01	.01	.23
–29th–																										
AMIDON		.01	.01						.01																	.03

See reference notes following Station Index.

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
FARGO WB AIRPORT	//																								.02	.02
GRAND FORKS CAA	//																				.17					.17
OAKES			.02			.08	.10																			.20
PEMBINA CAA																				.07	.14	.01				.22
ROLETTE					.02	.09																				.11
													–30th–													
BEACH											*	*	.05													.05
BISMARCK WB AIRPORT																		.02	.04							.06
DEVILS LAKE WB CITY																									.02	.02
FARGO WB AIRPORT	//																		.06							.06
KRAMER 5 SE																.03				.05						.08
MANDAN EXP STATION																		.03								.03
MINOT CAA	//																		.04	.01						.05
PEMBINA CAA	//	.01	.02	.01																						.04
RIVERDALE																	.08	.03								.11
ROLETTE								*	*	*	*	*	*	*	*	*	*	*	*	*	*	.07				.07
TROTTERS GEN STORE													.02	.02	.01	.01		.01								.07
WILLISTON WB CITY													.01													.01
													–31st–													
BOWMAN COURT HOUSE	//															.01	.01									.02
ESMOND		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA	//		.05																							.05
HURDSFIELD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAPOLEON 1 SE																				.07						.07
RICHARDTON ABBEY															.01	.01										.02
SARLES 3 E	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEARING	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHEYENNE																			.06			.02	.01			.09
TROTTERS GEN STORE													.04	.01												.05
WAHPETON POWER PLANT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY													.02													.02

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

NORTH DAKOTA
MAY 1950

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7SW	MAX	46	39	34	35	36	35	38	38	44	60	71	69	80	70	57	64	67	60	63	64	76	85	81	61	66	73	74	71	76	65	64	60.1
	MIN	22	32	29	31	31	29	29	32	31	34	41	45	42	47	41	43	40	41	42	43	42	44	53	45	35	41	41	46	45	48	42	38.9
AMENIA	MAX	45	42	40	40	39	40	52	50	45	64	72	72	71	69	59	50	53	69	62	67	71	85	85	67	61	69	72	70	78	69	65	61.1
	MIN	32	31	33	35	34	32	32	34	35	36	39	46	44	43	32	42	41	41	50	41	41	51	56	51	40	39	45	45	50	50	47	40.9
AMIDON	MAX	47	40	34	35	40	41	36	35	47	62	71	69	78	72	66	68	72	76	60	72		83	81	62	66	72	68	71	73	63	66	60.9
	MIN	22	29	27	28	29	31	25	30	29	33	38	42	44	42	41	45	34	44	40	37		47	51	41	31	44	37	40	43	41	38	36.8
ARVILLA STATE PARK	MAX	40	38	40	38	35	38	51	52	43	68	68	66	75	73	52	47	47	67	65	67	73	86	83	66	63	73	76	73	81	74	64	60.7
	MIN																																
ASHLEY	MAX	45	44	45	37	34	35	40	38	48	61	72	69	75	73	52	62	65	70	63	61	74	85	89	69	63	69	72	68	76	68	67	60.9
	MIN	21	32	31	32	30	31	30	31	31	31	41	44	40	45	31	43	37	46	45	43	39	53	56	48	38	38	41	41	50	51	43	39.1
BEACH	MAX	50	45	35	39	43	39	40	36	50	63	71	71	79	70	62	60	75	70	60	65	79	83	79	58	66	71	74	75	74	67	64	61.7
	MIN	23	30	29	28	31	31	28	31	29	32	37	43	40	39	47	44	33	44	37	37	43	48	47	41	30	36	42	44	44	44	40	37.2
BELCOURT INDIAN RES	MAX	35	33	38	36	32	37	42	35	37	59	59	55	79	62	48	43	46	57	61	65	62	79	77	60	63	71	72	68	74	65	61	55.2
	MIN	22	24	28	30	28	28	25	27	28	34	37	42	34	40	26	31	34	37	40	33	38	48	50	39	29	33	45	43	46	45	41	35.0
BELFIELD	MAX	48	36	35	38	38	36	38	36	46	61	71	71	78	71	61	59	71	66	62	66	74	84	71	61	70	72	74	73	77	69	64	60.5
	MIN	23	29	29	28	28	26	30	30	28	35	30	42	38	39	46	39	33	43	38	34	38	48	45	41	31	35	36	34	35	43	40	35.3
BISBEE	MAX	38	35	39	37	34	39	44	42	40	61	60	56	80	66	51	44	48	62	63	67	70	82	81	62	66	74	74	72	77	65	64	57.8
	MIN	26	28	31	32	31	31	29	32	31	32	35	41	37	40	30	35	37	39	44	39	40	51	50	42	34	38	44	43	47	47	41	37.3
BISMARCK WB CITY	MAX	47	46	36	36	34	35	40	36	47	65	74	71	82	79	64	65	66	64	65	63	77	86	82	63	72	72	72	69	77	74	65	62.1
	MIN	30	33	32	33	32	32	30	33	33	35	42	46	40	47	40	45	41	49	43	42	49	56	55	39	40	45	42	48	47	50	45	41.1
BISMARCK WB AIRPORT	MAX	48	38	36	34	35	35	40	38	48	64	75	72	82	72	56	66	68	66	65	62	78	87	84	64	67	75	74	73	79	69	68	61.9
	MIN	30	32	33	32	32	32	26	32	33	33	38	45	38	46	40	45	42	45	42	41	46	55	50	43	38	39	44	49	46	51	47	40.2
BOTTINEAU	MAX	37	37	45	41	34	40	45	45	38	63	67	65	80	66	57	50	51	58	63	63	68	80	80	70	65	73	74	71	75	68	63	59.0
	MIN	27	27	32	32	32	31	30																			31	43	48	48	46	38	
BOWBELLS R R STATION	MAX																43	56	55	67	89	77	81	80	61	68	75	77	74	73	60	64	
	MIN																38	37	43	43	39	41	48	50	38	32	39	43	49	47	43	40	
BOWMAN COURT HOUSE	MAX	48	49	34	35	39	42	40	35	42	60	70	70	78	76	75	65	74	72	60	64	75	82	81	62	62	68	70	77	70	73	83	61.6
	MIN	23	30	28	28	30	32	27	30	30	32	37	43	41	41	48	45	37	46	38	38	42	46	51	43	33	36	39	41	45	45	39	37.5
BUTTE	MAX	43	43	35	35	33	35	40	35	40	57	66	68	81	75	58	56	56	63	65	67	75	84	80	64	67	74	74	72	78	71	66	59.9
	MIN	27	27	31	32	31	32	27	32	31	34	39	45	40	44	36	40	40	43	44	42	45	55	58	44	41	44	44	52	52	50	43	40.2
CARRINGTON	MAX	35	33	42	34	42	42	40	39	38	38	57	67		78		58	53	54	67	63	63	75	81	81	71	66	73	74	73	77	79	58.4
	MIN	26	27	30	28	28	30	32	33	30	32	37	47			34	38	41	41	44	45	45	50	57	47	36	38	31	47	45	45	38	38.0
CARSON 2 5 W	MAX	50	38	32	36	36	35	40	36	48	63	72	72	80	70	62	66	68	65	62	63	60	84	82	85	60	72	71	73	76	67	67	60.4
	MIN	23	31	29	30	29	29	28	31	29	31	38	42	38	40	40	48	36	46	38	40	41	47	53	45	29	34	36	45	42	47	41	37.3
CAVALIER POWER PLANT	MAX	40	39	46	46	37	45	50	52	42	67	64	60	71	71	50	48	49	64	64	69	72	83	75	67	66	73	75	73	77	74	65	60.5
	MIN	30	31	32	32	33	33	32	34	33	33	43	44	37	46		35	39	42	49	49	46	55	57	46	35	44	48	46	50	52	47	41.1
CENTER	MAX	48	37	33	34	34	34	38	36	44	62	71	69	81	71	60	65	63	61	63	67	74	84	81	61	66	73	72	71	77	71	67	60.3
	MIN	28	28	29	30	30	30	19	31	31	34	38	45	43	48	38	32	31	39	39	37	43	54	51	50	32	33	40	35	42	41	36	44.4
COOPERSTOWN	MAX	41	40	35	35	38	35	46	45	40	60	69	63	74	73	59	50	50	64	67	62	69	80	82	70	63	71	73	71	78	74	63	59.3
	MIN	27	30	31	32	32	31	31	34	32	34	39	44	42	46	31	40	39	40	48	39	43	54	57	58	36	41	42	49	50	53	45	40.3
CROSBY	MAX	34	45	36	41	37	40	38	46	35	51	67	72	68	81	68	57	48	61	59	85	68	75	81	61	59	71	75	79	79	70	81	59.0
	MIN	28	28	30	31	32	32	30	30	32	33	38	45	44	43	40	40	38	38	39	34	45	49	48	39	34	36	44	51	49	43	41	38.2
DEVILS LAKE W B CITY	MAX	37	32	36	35	33	36	43	37	40	60	62	59	77	65	51	43	50	65	62	65	70	82	76	58	64	72	74	71	76	65	63	56.7
	MIN	25	31	32	32	32	32	32	34	33	35	42	45	38	36	31	39	39	41	48	45	47	58	54	43	39	46	48	48	50	49	44	40.3
DICKINSON CAA	MAX	49	36	33	37	37	37	38	35	46	62	71	70	79	68	58	62	70	55	61	66	75	83	74	58	65	72	74	73	74	63	63	59.5
	MIN	27	29	29	30	30	28	28	30	29	35	41	42	40	41	43	40	38	42	41	37	42	49	47	40	32	36	37	44	48	43	40	37.3
DICKINSON EXP STATION	MAX	36	51	33	34	37	38	37	40	36	48	63	72	71	80	68	68	61	70	56	61	67	75	83	73	61	64	72	74	73	74	62	59.3
	MIN	22	30	29	29	30	31	28	31	28	32	39	42	37	40	46	40	32	41	39	34	39	47	53	43	29	29	36	33	44	44	38	36.0
DRAKE	MAX	37	42	36	35	34	34	39	39	35	42	57	70	64	80	67	68	54	57	68	64	74	78	82	85	61	64	74	74	75	80	69	59.3
	MIN	24	30	31	32	32	32	29	33	32	34	40	47	40	46	34	37	40	41	43	42	43	48	58	44	37	42	46	50	50	48	41	39.5
DUNN CENTER	MAX	37	48	33	35	40	40	35	40	37	48	65	73	76	81	71	57	60	88	58	63	68	75	83	72	63	65	72	75	74	65	66	59.4
	MIN	23	27	30	31	31	31	26	31	28	31	37	42	36	35	44	41	38	42	37	33	39	48	55	43	28	28	38	44	43	42	39	36.2
DUNSEITH ST SANITARIUM	MAX	38	37	40	39	34	38	43	42	38	63	63	61	80	78	56	48	47	57	82	68	68	81	78	63	64	73	73	73	76	68	62	58.4
	MIN	25	28	29	30	29	29	27	30	28	30	38	43	40	42	26	32	34	40	40	36	38	51	53	39	34	40	47	41	43	45	46	38.5
ECKMAN	MAX	38	42	34	41	36	36	36	41	38	41	64	71	69	81	68	55	48	54	56	64	74	71	82	68	60	67	69	74	72	75		57.4
	MIN	28	27	31	32	32	32	25	30	32	34	37	42	46	49	34	36	37	40	38	39	47	42	52	38	33	35	43	42	48		40	37.3
EDGELEY EXP FARM	MAX	45	42	42	37	35	34	40	39	49	63	73	71	76	70	60	56	61	72	63	63	75	85	85	67	63	68	70	68	78	69	68	60.9
	MIN	22	33	32	33	31	31	30	33	33	34	43	48	43	45	35	42	43	44	47	42	40	51	54	48	38	37	38	42	48	52	45	39.9
EDMORE 1 W	MAX	38	36	38	38	37	36	44	41	38	60	56	51	72	69	48	44	46	62	60	63	68	79	74	80	84	70	72	69	74	64	82	55.7
	MIN	26	29	30	32	31	31	31	33	31	32	41	43	38	44	30	36	36	38	40	42	46	52	56	44	37	42	45	47	48	49	43	38.8
ELBOWOODS	MAX	50	40	34	38	39	37	44	35	47	68	76	72	84	72	63	62	72	59	64	74	78	85	78	84	68	77	78	78	76	65	68	62.7
	MIN	14	22	22	23	34	22	15	33	33	32	32	46	39	41	43	42	42	46	36	33	44	47	52	44	30	33	43	50	44	47	45	36.4
ELLENDALE	MAX	50	47	45	39	38	38	43	42	53	65	76	72	77	75	60	60	70	73	65	65	76	87	91	69	63	69	70	69	77	69	68	63.3
	MIN	23	37	35	35	31	32	32	35	34	33	39	49	43	49	37	45	44	46	45	42	41	51	57	45	41	40	42	49	53	53	47	41.5
EPPING	MAX	49	41	38	38	41	39	41	35	49	66	72	69	83	70	67	56	63	63	64	67	76	83	81	61	68	76	80	78	74	67	64	61.8
	MIN	25	28	29	30	32	30	27	30	31	30	38	43	42	38	42	43	38	44	34	37	42	42	49	35	31	39	45	48	47	39	41	37.1
FARGO WB AIRPORT	MAX	42	40	41	42	40	41	51	45	46	64	71	69	70	70	56	47	55	70	57	68	71	85	87	81	60	70	74	73	78	69	65	60.6
	MIN	30	32	35	36	34	34	36	36	34	34	42	45	42	42	34	43	42	42	49	43	49	55	59	45	41	38	42	50	52	51	47	41.8
FESSENDEN	MAX	42	39	40	34	32	34	41	39	39	56	63	64	78	73	69	51	52	56	66	76	78	80	79	69	64	71	72	70	77	72	63	59.3
	MIN	28	31	32	30	31	31	30	31	32	33	42	45	44	38	34	38	40	41	42	42	44	56	52	47	39	45	46	47	48	50	43	39.7
FORMAN	MAX	49	45	44	44	40	37	46	45		64	76	73	74	70	63	55	60	74	63	66	72	87	95	79	59	70	73	66	78	75	70	83.7
	MIN	26	34	34	34	32	32	32	32		33	42	43	41	48	35	43	44	44	49	42	43	44	53	51	49	40	45	51	51	56	41	41.5
FORT YATES	MAX	48	44	39	37	36	41	45	42	52	64	74	71	79	74	65	68	68	68	65	59	76	86	82	73	65	70	68	75	78	67	66	62.7
	MIN	29	37	35	32	30	33	32	33	33	33	43	46	37	48	48	45	40	49	49	41	45	54	53	46	37	43	39	49	48	42	39	40.9
FOXHOLM WILDLIFE REF	MAX	43	44	40	38	36	37	42	40	42	65	72	70	82	66	59	54	56	58	63	63	71	81	78	60	67	75	76	76	73	68	63	59.9
	MIN	28	23	30	31	31	32	28	30	30	35	32	45	37	44	39	37	39	42	41	40	41	54	52	41	30	37	41	47	43	50	50	38.1
FULLERTON	MAX	49	42	44	38	37	35	42	42	50	65	76	74	78	71	65	60	64	75	64	68	76	88	89	65	64	72	75	71	78	68	67	63.0
	MIN	23	36	34	36	32	32	33	36	34	35	41	48	43	48	36	44	46	44	50	40	42	52	56	50	41	40	43	47	51	53	46	41.7

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GACKLE	MAX	43	40	36	33	33	32	36	35	41			98	75			88	60	70	63	64	73	94	84	64	82				89	74	65	57.9
	MIN	33	32	31	31	31	31	30	32	31			32	36			34	41	42	43	42	43	50	58	46	40				44	50	45	38.6
GARRISON	MAX	44	34	35	38	33	34	41	34	41	63	70	68	91	69	56	57	63	58	62	69	75	93	74	62	66	73	74	72			65	56.4
	MIN	26	30	31	31	31	31	29	30	30	34	33	45	40	41	40	42	38	43	40	39	45	53	49	42	33	40	44	48	47	45	42	38.5
GRAFTON STATE SCHOOL	MAX	41	38	41	42	35	43	49	49	42	94	62	64	67	98	50	49	48	89	66	98	75	82	82	66		72	73	73	80	76	62	56.7
	MIN	29	31	32	33	34	33	34	32	38	36	46	44	41	45	32	40	38	41	50	39	44	52	55	49	37		43	44	51	52	47	40.7
GRAND FORKS CAA	MAX	44	35	39	38	39	40	52	41	43	64	59	95	69	86	52	47	48	88	58	67	71	93	82	57	81	70	74	71	77	69	63	56.4
	MIN	27	32	32	35	35	33	33	36	35	33	43	42	42	36	32	39	38	42	49	41	48	53	55	40	39	44	45	46	52	50	48	40.2
GRAND FORKS UNIVERSITY	MAX	42	36	41	40	37	40	51	49	44	65	59	84	87	67	53	51	49	67	63	66	72	63	60	96	61	89	73	71	74	69	63	59.1
	MIN	28	28	32	35	35	33	33	37	39	34	45	44	42	35	32	39	38	42	50	41	44	42	57	43	36	44	45	48	53	51	47	40.8
GRANVILLE	MAX	42	34	40	37	39	39	42	37	41	96	72	98	63	70	63	49	59	56	92	80	75	84	74	61	68	75	79	73	79	64	66	59.5
	MIN	29	27	30	31	30	30	27	31	30	31	32	44	37	43	33	37	39	35	49	47	52	48	54	40	32	37	44	46	47	45	44	37.9
GRENORA	MAX	40	40	34	37	43	43	43	37	51	98	70	70	90	70	68	70	65	63	95	65	75	80	63	80	70	75	79	78	68	80	81	60.9
	MIN	24	27	30	33	32	33	27	30	31	40	40	43	47	40	43	43	37	43	36	38	40	46	46	35	35	38	39	50	29	40	40	37.3
HANKINSON R R STATION	MAX	41	53	43	43	42	40	39	41	49	51	95	77	77						69	67	68	78	91	81	70	61	66		72	77	73	61.8
	MIN	28	29	35	35	35	34	31	33	34	34	40	45	42	44	35	34	42	43	49	49	49	58	51	41	40	43			48	57	47	40.7
HANNAH	MAX	39	34	40	39	34	40	46	43	39	81	58	55	71	66	47	42	45	72	58	94	67	80	74	63	63	71	72	70	72	63	60	58.4
	MIN	32	30	31	30	30	31	30	33	32	34	41	45	37	41	22	26	29	33	35	35	45	54	59	41	34	45	48	47	51	39	41	37.4
HANSBORO	MAX	36	34	40	39	33	38	45	38	38	92	60	58	79	62	51	41	48	59	63	66	72	81	66		98	79	74	70	77	94	63	59.7
	MIN	23	27	30	30	29	29	24	29	29	34	39	44	39	42	29	31	33	39	42	40	36	48	53	32		39	43	43	50	44	40	39.3
HETTINGER	MAX	41	49	39	39	43	41	42	40	46	52	62	81	74	79	75	82	77	70	74	69	73	79	95	90	71	68	73	77	71	75	84	82.7
	MIN	29	35	26	30	31	32	28	28	31	31	36	39	48	50	37	44	46	34	33	36	45	40	51	35	36	32	43	45	39	49	40	37.9
HILLSBORO	MAX	42	39	40	39	38	39	51	42	45	65	67	99	99	62	51	54	90	68	63	67	72	84	83	97	58	68	73	71	72	68	85	56.9
	MIN	29	30	31	32	32	32	39	31	34	35	44	44	39	42	31	41	38	40	49	39	46	51	57	42	40	37	41	43	58	52	49	39.9
JAMESTOWN CAA	MAX	44	35	34	34	34	34	42	37	42	81	88	69	76	88	56	50	54	71	60	61	72	83	83	64	66	71	73	69	76	67	67	58.9
	MIN	26	31	32	32	31	31	32	34	33	34	41	45	37	41	34	41	43	42	48	41	41	52	53	42	36	40	40	46	46	46	44	39.2
JAMESTOWN STATE HOSP	MAX	45	41	34	37	35	34	43	40	46	62	69	70	79	73	59	71	55	71	91	62	73	85	95	68	96	71	74	69	81	74	73	91.4
	MIN	28	32	32	32	32	32	32	34	33	35	39	48	39	49	35	42	44	43	48	42	42	43	56	46	40	42	43	47	46	50	45	40.3
KENMARE	MAX	40	43	45	41	37	37	41	43	35	49	65	73	70	60	70	55	44	54	55	67	70	72	62	67	65	72	74	74	79	65	93	56.4
	MIN	30	29	27	30	31	30	26	29	30	33	41	46	41	42	36	38	39	40	39	41	42	52	51	40	38	44	46	50	49	44	41	36.4
KENSAL WILDLIFE REFUGE	MAX	44	41	33	34	32	34	39	37	39	54	67	70	77	71	50	46	54	97	65	64	71	83	80	70	65	70	71	67	76	79	67	59.9
	MIN	23	29	29	30	27	29	29	31	30	32	32	42	33	42	32	38	40	40	45	40	43	52	51	46	33	35	42	40	47	43	44	37.1
LA MOURE	MAX	48	46	42	37	40	35	44	43	47	64	75	72	75	70	67	56	80	73			75	85	87	75	66	71	68	77	76	75	67	62.6
	MIN	22	36	33	29	31	31	31	37	33	33	44	40	41	42	35	43	45	45	50		43	65	64	49	36	41	53	50	52	56	53	42.3
LANGDON EXP FARM	MAX	37	35	40	36	33	36	43	40	37	62	60	56	70	65	48	45	46	61	60	66	70	80	75	63	65	71	72	70	73	65	63	56.4
	MIN	27	26	30	30	30	31	30	31	31	32	36	39	33	40	26	33	35	39	45	39	44	46	55	41	32	40	45	48	47	47	41	37.2
LEEDS	MAX	36	38	37	37	36	38	45	41	40	56	64	59	60	73	57	45	52	64	65	86	73	82	75	65	98	76	75	73	76	66	63	58.6
	MIN	34	30	31	32	32	32	16	31	32	32	40	40	36	43	31	34	39	40	44	43	44	52	58	44	37	43	48	47	46	46	42	36.9
LINTON	MAX	49	45	45	36	34	37	40	41	51	64	75	82	82	72	68	86	66	68	67	61	76	88	85	82	78	73	71	72	60	74	64	63.7
	MIN	22	36	33	33	32	32	32	34	32	29	35	42	35	45	40	45	38	46	44	37	42	52	49	50	35	41	44	50	44	52	46	36.7
LISBON	MAX	40	49	42	40	36	39	41	48	44	48	65	76	74	75	66	57	49	58	71	81	67	74	68	82	65	64	71	60	74	76	70	61.4
	MIN	27	32	34	34	35	33	32	36	34	35	41	42	40	46	35	36	41	43	50	44	40	55	53	50	41	35	36	48	48	54	44	40.5
MADDOCK AGR SCHOOL	MAX	42	37	35	34	33	35	42	34	36	60	62	63	79	78	59	46	57	64	63	64	73	81	79	64	65	74	74	71	76	67	64	58.6
	MIN	27	30	31	32	31	32	34	32	31	32	36	45	47	43	32	38	36	40	45	40	41	54	56	45	37	36	42	44	46	48	42	39.1
MANDAN EXP STATION	MAX	36	48	35	35	35	34	36	38	39	46	65	73	71	82	70	55	86	66	65	64	61	77	86	81	61	66	72	72	71	77	66	59.6
	MIN	26	32	31	31	31	32	28	32	32	36	42	46	38	46	36	41	40	44	41	40	45	56	57	48	35	38	42	47	44	46	44	36.6
MANDAN FT LINCOLN PARK	MAX	51	44	45	36	34	38	43	36	50	67	76	73	93	74	56	68	67	65	68	63	76	88	84	67	68	79	79	72	79	75	68	63.8
	MIN	28	33	32	32	32	32	30	33	32	32	42	44	40	35	40	44	41	43	43	40	45	52	56	47	37	36	43	46	44	48	43	36.6
MARMARTH	MAX	50	45	36	39	47	47	40	37	54	56	73	74	61	72	86	66	76	67		67	76	85	76	56	66	71	74	76		70	67	62.9
	MIN	23	33	30	27	33	33	27	26	31	30	37	30	33	43	50	49	35	37		33	45	43	50	44	30	31	36	43		46	36	36.2
MAX	MAX	42	33	33	34	34	34	40	42	36	36	63	87	66	80	62	56	62	58	92	62	74	84	71	80	71	75	73	74	70	77	61	59.0
	MIN	32	26	30	31	30	30	32	34	31	33	35	40	40	43	40	36	40	41	36	45	46	61	46	38	40	42	45	47	47	45	41	36.2
MAYVILLE	MAX	40	36	37	37	36	37	52	49	43	65	66	69	71	66	54	50	50	67	64	66	71	83	83	86	62	70	74	70	78	73	65	56.6
	MIN	28	31	32	32	34	33	32	36	35	36	43	44	42	46	32	41	36	40	51	40	41	51	51	51	37	36	42	45	54	56	47	40.6
MC CLUSKY	MAX	41	36	33	35	33	33	36	34	36	56	64	66	60	75	63	58	56	64	63	64	74	83	81	65	65	73	73	77	76	73	64	59.5
	MIN	23	28	31	32	31	30	26	33	31	33	38	45	38	45	38	41	40	42	41	40	44	54	58	46	40	42	37	48	47	44	34	38.6
MC HENRY 5 N	MAX	39	35	33	34	33	34	40	36	36	57	66	66	75	70	53	47	51	66	61	64	89	81	77	65	65	70	72	70	76	71	63	57.5
	MIN	24	28	30	31	30	31	30	32	31	33	37	44	34	42	28	38	38	39	46	36	41	54	55	46	35	42	42	46	46	50	43	38.2
MC LEOD 3 E	MAX	46	43	42	42	40	38	46	45	47	65	75	74	73	72	64	65	58	69	62	68	75	85	61	70	83	68	73	66	80	70	86	82.9
	MIN	25	32	35	35	32	35	32	32	32	34	40	60	43	39	33	42	43	43	46	41	50	59	54	50	40	40	44	50	50	57	59	42.3
MEDORA T R N M P	MAX	51	49	37	36	45	44	40	37	51	65	75	73	62	75	66	62	74	71	62	68	77	85	70	62	66	73	76	77	76	71	66	83.4
	MIN	29	32	31	31	33	33	28	32	32	27	34	38	34	41	45	45	32	52	39	38	43	41	51	44	26	26	40	42	46	41	43	37.1
MINOT CAA	MAX	40	32	37	34	34	34	38	34	39	81	68	62	82	67	53	47	55	59	95	70	73	83	68	62	66	75	74	71	75	64	65	57.6
	MIN	29	28	31	32	32	31	28	31	31	35	40	47	41	43	35	39	39	42	43	44	47	55	48	42	36	44	50	50	50	47	42	36.7
MINOT EXP FARM	MAX	41	35	37	35	34	35	39	34	38	55	65	64	80	72	60	52	56	58	63	67	72	82	80	81	65	73	74	72	75	69	64	58.3
	MIN	27	26	26	30	30	30	26	29	32	37	42	39	42	35	39	38	41	40	40	34	50	52	41	35	42	50	47	43	40	36	37.3
MOHALL	MAX	41	36	42	38	35	36	43	40	43	65	73	64	64	86	56	50	52	55	65	71	71	92	75	62	68	75	75	73	74	59	95	56.4
	MIN	26	25	31	32	32	32	25	32	31	34	41	46	49	39	35	37	36	41	36	41	42	50	52	39	33	41	46	47	47	45	41	38.6
MOTT	MAX	49	43	33	36	38	36	36	36	48	63	71	70	79	66	56	64	69	60	62	64	77	85	79	58	66	70	71	70	75	67	72	60.7
	MIN	24	30	29	30	31	31	26	31	30	31	40	42	40	44	47	45	38	47	43	39	43	47	52	46	33	34	36	43	46	42	36	37.9
MUNICH 4 SW	MAX	34	32	38	36	32	36	42	41	36	59	57	54	70	86	45	41	47	60	56	61	87	76	67	58	92	70	71	68	72	63	61	54.3
	MIN	24	26	30	31	30	31	30	32	31	32	40	44	38	42	30	36	36	39	46	41	44	51	53	42	36	41	45	46	48	46	42	38.2
NAPOLEON 1 5E	MAX	42	40	36	35	33	34	35	37	42	61	70	70	77	74	64	64	83	68	64	58	75	85	83	64	66	70	70	66	77	72	86	60.2
	MIN	21	32	31	32	31	31	26	32	32	32	37	45	35	43	36	42	40	46	44	40	42	52	53	47	35	41	36	43	44	52	45	36.6
NEW ENGLAND	MAX	49	46	33	37	36	40	38	37	46	62	71	71	80	76	67	64	72	70	62	67	77	84	83	60	66	72	72	74	74	73	65	62.2
	MIN	22	31	26	30	31	31	26	31	30	33	40	41	36	41	42	45	35	48	41	35	43	47	51	43	31	34	38	42	45	41	49	37.6
NEW SALEM 1 S	MAX	47	37	33	34	35	35	37	36	46	55	65	74	82	72	57	58	57	63	65	63	70	85	80	81	77	65	69	70	76	65	73	60.1
	MIN	25	30	30	30	29	30	25	31	31	36	35	39	41	46	45	43	42	44	40	41	40	54	53	43	40	35	37	40	43	36	36	38.0

See reference notes following Station Index.

Table 5-Continued

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
OAKES	MAX	39	49	42	36	36	35	37	45	43	51	66	76	73	64	70	57	56	62	76	63	64	77	69	62	62	63	72	74	66	76	70	81.6
	MIN	25	31	33	33	33	31	32	36	33	34	39	45	41	46	36	36	44	43	50	36	43	52	54	51	42	36	42	46	50	56	41	40.7
PARK RIVER	MAX	44	43	40	39	35	40	46	47	43	63	61	62	72	72	49	46	47	65	65	66	70	61	61	67	66	66	74	73	76	75	64	59.7
	MIN	26	29	32	33	32	33	32	32	34	35	46	42	36	45	27	37	36	40	50	45	43	51	61	46	35	42	47	45	50	52	47	40.2
PARSHALL	MAX	41	35	37	35	37	39	40	37	44	64	73	69	62	76	66	55	63	62	64	67	75	63	62	60	67	73	75	73	76	70	65	60.6
	MIN	30	30	31	32	32	32	24	32	30	32	33	45	42	42	41	43	36	45	35	32	45	46	54	42	26	32	36	46	45	42	36	37.4
PEMBINA CAA	MAX	36	37	46	36	36	46	48	42	40	63	53	62							57	66	72	61	66	58	62	67	72	71	74	65	55	56.7
	MIN	30	31	33	33	34	33	32	36	33	37	42	47							46	44	46	56	56	45	36	47	45	45	54	50	44	41.6
PETERSBURG	MAX	36	34		34	32	34	45	41	39	56	50	60	71	65	50	45	47	64	60	64	70	60	76	67	58	66	72	66	76	66	63	56.7
	MIN	24	26		31	31	31	30	32	32	32	40	40	39	42	30	37	36	36	46	42	44	54	56	46	38	49	46	47	50	51	42	39.7
PETTIBONE	MAX	44	35	33	33	33	33	46	36	36	56	65	65	76	72	56	52	56	66	66	62	72	62	60	62	65	71	72	69	77	66	65	58.7
	MIN	20	32	31	33	32	31	30	32	31	32	37	44	35	42	33	40	40	42	44	40	39	54	56	46	34	39	46	44	49	45	36	38.5
PORTAL	MAX	35	43	36	42	37	36	41	43	34	46	65	72	66	62	67	50	42	54	55	65	66	71	80	60	58	66	76		77	72	61	56.9
	MIN	26	27	29	31	31	30	25	29	30	32	36	51	43	40		36	36	40	35	40	41	48	46	38	34	40	45		41	41	38	36.7
RICHARDTON ABBEY	MAX	47	42	32	34	37	36	41	35	45	61	72	70	76	72	62	61	67	63	61	67	76	63	77	60	65	72	72	71	74	66	62	60.1
	MIN	23	26	26	26	26	29	26	30	26	34	36	44	41	45	41	42	41	47	41	37	42	50	53	44	34	38	40	45	46	46	43	36.2
RIVERDALE	MAX	44	46	34	33	34	34	36	35	42	62	69	66	61	70	60	56	62	60	64	66	75	84	78	62	65	74	74	72	76	67	66	59.7
	MIN	26	31	30	31	31	32	25	30	30	35	36	36	42	45	40	41	38	45	41	36	43	55	55	45	37	40	42	46	47	44	44	36.0
ROLLA	MAX	34	32	37	35	32	36	43	35	36	60	58	54	78	64	46	44	45	57	61	65	66	60	66	57	65	73	73	70	76	62	62	55.2
	MIN	25	25	30	32	30	30	25	30	30	36	40	44	40	44	26	32	36	36	43	40	41	46	54	40	35	36	58	46	50	45	43	36.0
RUGBY	MAX	41	39	39	37	34	36	43	36	36	60	64	64	61	67	62	46	51	60	65	67	72	63	61	66	67	74	75	74	76	72	64	59.5
	MIN	29	30	31	33	32	32	29	33	32	31	39	44	40	42	31	36	36	42	42	42	44	52	52	42	35	42	47	46	52	47	41	36.2
SANISH	MAX	36	43	37	39	37	40	37	41	35	47	65	73	70	63	55	63	56	63	56	63	66	72	64	85	61	67	74	77	73	75	63	58.7
	MIN	22	26	29	26	32	30	30	30	31	31	33	39	44	39	41	43	47	43	36	33	45	49	56	41	26	33	41	41	43	36	43	37.1
SHARON	MAX	39	36	37	35	34	36	47	36	40	56	67	71	71		67		46	65	60	60	66	76	61	60	64	66	71	69	75	66	66	56.7
	MIN	22	29	30	32	32	32	35	34	33	34	45	43	42	46	31		36	36	46	43	45	55	61	62	37	45	47	50	50	53	45	41.3
STANLEY	MAX	41	33	40	37	37	33	41	34	44	63	72	67	80	66	52	56	56	55	67	67	71	61	76	60	72	74	76	75	75	72	62	56.5
	MIN	24	22	23	26	26	26	23	26	26	26	35	41	37	32	33	34	32	37	34	35	36	47	41	33	24	32	31	41	41	40	39	32.6
STEELE	MAX	49	37	36	35	33	33	42	37	43	65	69	66	76	70	60	76	62	65	65	61	71	64	64	64	68	74	73	70	72	69	66	60.7
	MIN	17	29	27	29	26	26	24	26	26	36	41	43	32	41	33	43	36	45	43	37	39	51	53	42	36	36	40	45	42	33	42	36.6
TOWNER	MAX	42	37	42	36	34	41	41	43	41	63	67	62	62	69	59	49	61	54	66	62	72	63	72	69	67	75	76	76	75	66	63	56.7
	MIN	26	27	26	30	30	30	27	29	30	30	35	43	40	35	30	35	36	36	40	39	42	50	55	42	34	36	38	39	42	48	38	36.5
TURTLE LAKE	MAX	43	35	34	35	34		42	35	41	62	66	67	61	74	56	52	61	51	62	61	64	83	76	66	65	73	73	72	78	66	66	56.3
	MIN	19	30	30	31	27		31	30	31	32	36	43	40	42	36	47	41	41	39	44	41	54	54	44	35	43	44	45	46	46	45	36.2
UNDERWOOD 12 W	MAX	47	44	34	34	35	34	39	35	45	72	73	72	62	71	69	66	72	68	69	70	77	64	77	66	69	75	74	74	77	71	76	63.1
	MIN	27	30	31	31	31	30	23	32	31	41	42	41	41	54	41	43	54	47	37	36	45	54	56	47	32	35	42	41	45	46	45	36.6
UPHAM WILDLIFE REFUGE	MAX	46	47	41	36	36	44	47	46	46	66	70	66	64	76	62	50	56	58	68	70	75	84	78	65	70	76	77	73	76	72	64	62.4
	MIN	28	26	31	31	31	31	23	31	31	29	34	40	36	32	32	42	44	43	49	40	49	46	53	41	33	36	42	43	44	44	36	37.5
VALLEY CITY	MAX	45	43	37	37	37	35	49	45	49	63	72	76	75	75	87	54	53	69	65	67	72	85	63	60	63	71	75	75	79	75	67	62.5
	MIN	26	31	32	33	34	33	33	35	34	35	40	46	42	46	34	42	43	41	48	42	40	54	59	50	41	36	49	48	51	54	47	41.4
VAN HOOK	MAX	44	36	36	36	39	37	41	36	46	65	72	69	62	75	67	56	63	63	64	68	75	64	82	61	67	75	77	78	75	69	66	61.4
	MIN	29	29	31	32	32	32	26	32	31	34	36	47	40	42	42	43	39	46	37	36	43	46	52	42	29	28	42	47	45	42	40	37.9
VELVA	MAX	41	37	37	37	34	36	41	36	41	64	69	65	64	74	63	52	57	62	66	68	74	66	60	62	70	76	75	73	77	70	65	60.5
	MIN	29	21	31	32	31	27	30	32	31	34	40	46	36	45	34	40	40	41	42	42	47	56	57	43	35	40	46	51	49	46	41	39.2
WAHPETON STATE SCHOOL	MAX	45	45	43	41	45	41	50	47	47	64	76	74	72	72	65	57	57	66	67	66	72	86	90	74	62	69	73	72	77	77	68	83.4
	MIN	29	34	36	36	33	34	36	35	33	44	46	42	48	34	42	42	43	49	44	46	53	60	51	39	38	45	53	52	54	47	42.5
WASHBURN	MAX	47	45	35	34	35	35	40	36	46	63	72	70	62	77	68	64	64	82	85	64	76	64	62	63	66	74	72	71	77	71	66	61.5
	MIN	27	31	31	32	32	32	27	32	32	35	40	46	42	45	40	44	41	47	42	39	45	55	61	47	37	42	45	49	48	47	42	40.5
WATFORD CITY	MAX	50	40	36	37	43	39	43	36	48	66	74	71	83	71	67	57	69	62	64	69	77	85	76	62	68	75	79	78	76	86	66	62.4
	MIN	22	29	30	31	31	30	24	31	30	34	41	44	42	43	44	45	37	46	38	36	41	49	51	41	32	38	46	49	50	41	42	38.3
WESTHOPE	MAX	43	41	47	37	36	43	44	40	43	67	70	83	62	67	52	56	53	55	67	70	73	63	69	62	70	70	75	72	75	60	62	59.6
	MIN	28	29	31	32	31	31	26	32	31	32	37	40	40	42	32	36	39	40	36	41	42	50	46	40	36	40	45	49	44	43	42	37.6
WILLISTON WB CITY	MAX	46	37	39	38	45	35	44	35	51	67	72	70	61	69	56	54	68	61	62	67	77	64	64	59	87	74	78	78	71	82	65	80.5
	MIN	26	31	32	32	33	32	30	31	32	34	43	47	46	45	45	41	40	47	42	42	47	55	46	41	37	44	51	52	50	43	44	40.7
WILLOW CITY	MAX	41	35	41	37	36	41	43	41	41	66	66	64	83	69	52	46	52	59	65	70	73	82	70	61	68	75	75	70	78	65	62	58.9
	MIN	29	30	32	32	32	32	30	32	31	32	34	42	38	41	30	36	36	40	40	37	42	42	54	41	33	40	46	46	47	42	44	37.5
WILTON RR STATION	MAX	33	44	33	33	34	35		40	35	40	59	65			73	81	60	62	62	82	61	75	83	78	60	64	70	70	68	75	64	57.1
	MIN	23	30	30	30	26	30		32	30	33	36	42			36	37	37	38	41	36	41	51	57	45	36	37	39	43	43	46	41	37.6
WISHEK	MAX	37	48	45	36	37	33	36	36	36	46	62	72	69	76	68	54	63	64	69	63	57	75	66	64	59	66	69	68	68	77	66	58.9
	MIN	18	33	31	32	31	31	31	32	32	31	39	43	37	42	37	39	38	42	44	36	39	46	57	47	34	35	36	48	47	51	42	38.2

Table 6

EVAPORATION AND WIND

Station		Day of month																													Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Dickinson Exp. Station	EVAP	.03	.14	-	.04	*	*	.06	*	*	*	.11	.25	.14	.24	.22	.07	.19	.20	.14	.17	.19	.20	.27	.26	.21	.17	.22	.33	.19	-	.25	4.618
	WIND	55	170	210	190	180	300	135	195	150	140	95	106	75	145	110	160	160	285	135	110	90	100	140	170	100	60	140	230	150	190	225	4701
Mandan Exp. 6tation	EVAP	.05	.07	.13	.06	.17	.30	.07	.11	.12	.09	.10	.06	.13	.22	.23	.15	.13	.14	.09	.15	.13	.20	.19	.34	.20	.15	.24	.21	.12	.24	.29	4.92
	WIND	65	169	212	135	276	466	113	187	176	187	74	67	97	145	186	163	116	226	153	66	122	113	63	236	119	57	99	145	120	135	217	4789
Riverdale Garrison Dam	EVAP	-	-	-	-	-	-	-	-	-	-	.22	.20	.27	.29	.31	.25	.02	*	*	.51	.36	.29	.42	.34	.19	.27	.59	.40	.36	.66	.23	-
	WIND	-	-	-	-	-	-	-	-	-	-	75	105	12	366	214	116	96	296	168	138	165	136	178	134	76	74	179	251	212	203	270	-

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Almont 7 SW	SNOWFALL	T	4.0	0.5	6.5	0.5	0.2	-	7.0																							
	SN ON GND		4	5	10	7	5		8	4																						
Amenia	SNOWFALL																							T								
	SN ON GND	-	-	-	-	-																										
Ashley	SNOWFALL					6.0	6.0																									
	SN ON GND	2				6	6																									
Beach	SNOWFALL		T	0.2	4.0		T	T	3.0	T																						
	SN ON GND	T	T	T	T	T	T	T	1	T	T	T	T																			
Bismarck WB Airport	SNOWFALL		T	0.8	4.9	2.2	2.0	0.4	T																						T	
	SN ON GND	T	T	T	3	3	1	1	T	T	T																					
Careon 2 SW	SNOWFALL			T	6.0	2.0																										
	SN ON GND				3	3	1	1																								
Center	SNOWFALL		4.0		5.0	2.0	3.0																								T	
	SN ON GND	T	4	2	3	5	6	3	2	T	T																					
Croeby	SNOWFALL	T		0.1	0.2		1.0	1.0	T	4.0	T																					
	SN ON GND	T		T	T		1	1	T	4	T																					
Devile Lake WB City	SNOWFALL	T	7.4	T	1.6	2.3	1.4		T	T																						
	SN ON GND	T	7	4	4	6	6	3	1	1																						
Dickineon CAA AP	SNOWFALL		T	2.1	3.6		T	0.6	3.2	T																						
	SN ON GND	T	T	T	4	3	2	T	4	T	T																					
Dunn Center	SNOWFALL				-		T			0.4																						
	SN ON GND		1	1	6	3	1	1	1	2	1																					
Edgeley Exp. Farm	SNOWFALL				-	-																										
	SN ON GND	-	-	-	-	-																										
Ellendale	SNOWFALL					3.5																										
	SN ON GND	T				1	T	T																								
Fargo WB Airport	SNOWFALL		1.0	T		T	T																									
	SN ON GND	T	T	T	T	T																										
Feeeenden	SNOWFALL		8.0																													
	SN ON GND		-	-	-	-	-	-	-	-	-																					
Fort Yatee	SNOWFALL				2.0	4.0																										
	SN ON GND	T	1	1	1	2	1	1	1	1	1																					
Grafton State School	SNOWFALL																															
	SN ON GND	-	-	-	-	-																										
Grand Forke CAA AP	SNOWFALL	T	2.2	0.1			T																									
	SN ON GND	1	3	2	T	T	T																									
Hettinger	SNOWFALL			2.0	6.0				5.0	0.1																						
	SN ON GND	-	-	-	-	-	-	-	-	-	-																					
Jameetown CAA AP	SNOWFALL	T	7.2		0.5	1.6	2.7	1.0																								
	SN ON GND	T	5	2	T	1	3	2	T	T	T																					
Langdon Exp. Farm	SNOWFALL		2.3	3.5	0.5		2.0																									
	SN ON GND	-	-	-	-	-																										
Linton	SNOWFALL					6.0																										
	SN ON GND	1				6	3	1																								
Liebon	SNOWFALL					-	T																									
	SN ON GND	-	-	-	-	-																										
Marmartb	SNOWFALL		0.1	0.2	5.0																											
	SN ON GND		T	T	T																											
Mayville	SNOWFALL	2.5	3.5	1.5																												
	SN ON GND	1	5	3	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T												
McClusky	SNOWFALL		-	-	-	-																										
	SN ON GND		6	1	2	2	3																									
McHenry 5 N	SNOWFALL	T	3.0	4.5			2.5																									
	SN ON GND	2	5	9	6	5	7	6	5	4	T																					
Medora TRNMP	SNOWFALL				3.0				3.0																							
	SN ON GND				3	2	1		3	2																						
Minot CAA AP	SNOWFALL	T	3.9	1.1	4.3	1.4	2.3		5.1	0.2																						
	SN ON GND	5	7	4	6	6	7	5	6	4	1	T	T																			
Moball	SNOWFALL		2.0		1.0	1.0	5.0		2.0																							
	SN ON GND	2	3	1	1	1	6	2	4	2																						
Mott	SNOWFALL		2.0	1.0	9.0				3.0																							
	SN ON GND		1	2	5				2																							
Napoleon 1 SE	SNOWFALL		T		T	3.0	8.0	1.0																								
	SN ON GND					3	11	9	4	2	1																					
Pareball	SNOWFALL						6.0																									
	SN ON GND	2	2	2			6	3																								
Pembina CAA AP	SNOWFALL	T	3.5	0.2	T		T		T	0.1																						
	SN ON GND	T	1	T																												
Petersburg	SNOWFALL	1.4	8.0		4.0		2.0																									
	SN ON GND		12	-	6	-	-	-	-	-	-	-																				
Pettibone	SNOWFALL		9.5	1.0	1.0	5.0	12.0	2.0																								
	SN ON GND		9	8	4	7	17	13	8	5	2	1																				
Portal	SNOWFALL	T		1.0			13.0		T	8.0																						
	SN ON GND			1			13	-	-	8	-	-	-																				
Richardton Abbey	SNOWFALL		4.0	0.3	6.5	T	0.2	T	8.0	0.1							T															T
	SN ON GND	1	5	4	8	5	4	2	6	3	1	T	T																			
Rolla	SNOWFALL	T	2.5	1.0	2.0	5.0	5.5		T	T																						
	SN ON GND		3	2	2	7	8	5	5	-	T	T	T																			

See reference notes following Station Index

Table 7-Continued

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
MAY 1950

Station		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Rugby	SNOWFALL		-	-	-	-	-		-	-																					
	SN ON GND		-	-	-	-	-	-	-	-																					
Sharon	SNOWFALL		8.0	3.0																											
	SN ON GND	2	10	13	4	4	4	3	2	1	1	T																			
Stanley	SNOWFALL				3.0	3.0	5.5		6.0	4.5																					
	SN ON GND	-	-	-	-	-	6	-	9	9	4	2																			
Steele	SNOWFALL		4.5		2.0	4.0	5.0																								
	SN ON GND		2	2	4	6	12	7	-	4	1																				
Upham Wildlife Ref.	SNOWFALL	T	1.0		2.0		4.0																								
	SN ON GND		1	-	-	-	-	-	-																						
Velva	SNOWFALL	0.5	1.0	0.5	1.0	1.0	3.0		1.0																						
	SN ON GND	2	3	3	3	4	5	3	2	1																					
Wahpeton State School	SNOWFALL						T																		T					T	
	SN ON GND																														
Watford City	SNOWFALL				T		4.5		5.5																						
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-																		
Williston WB City	SNOWFALL		T	T	0.7	T	3.1	T	3.5	T																					T
	SN ON GND				T		T		3																						

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALMONT 7 SW	0138	MORTON	4	48 43	101 39	2300	7P	7P	HOGAN RAMSLAND	2 3 5 7
ALPHA I 8	0149	GOLDEN VALLEY	7	48 37	103 49			7P	H A BURY	3
AMENIA	0196	CASS	11	47 00	97 13	960	SS	SS	VIRGIL L GEBEKE	2 3 5 7
AMIDON	0209	SLOPE	1	48 30	103 19	2910	5P	5P	TOFIELD ZUNDEL	2 3 4 5
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 56	97 30	960	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	98 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 7
BALDWILL DAM	0450	BARNES	11	47 02	98 05	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR	0492	MC HENRY	12	47 57	100 32	1615		MID	RAYMOND E MELLER	3 4
BEACH	0580	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F HODGIN	2 3 4 5 7
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	98 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	4	46 52	103 11	2582	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	6	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3
BISBEE	0796	TOWNER	2	48 37	99 22	1600	6P	6P	ROBERT J KRICK	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1670	10A	10A	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1650	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	CLOSED
BOWBELLS RR STATION	0861	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O B ROOK	2 3 4 5
BREIEN	1052	MORTON	1	46 24	100 57	1720		MID	FRANK E POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1360	FOSTER	3	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1365	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5 7
COLGATE	1688	STEELE	10	47 14	97 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	R J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1854	7A	7A	VERNON V NICHOLS	2 3 5 7
DAWSON	2018	KIDDER	8	46 52	99 43	1730		MID	LOUIS J BILLINGTON	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	3	48 07	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	GEORGE A PAULUS	2 3 5
DUNN CENTER	2385	DUNN	6	47 21	102 37	2191	8A	6A	FRANK R SOMMARS	2 3 5 7
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5 7
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	H W CASE	2 3 5
ELLENDALE	2605	DICKEY	3	46 00	98 31	1460	8P	8P	PAUL GRESS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 3 5
ESMOND	2767	BENSON	11	48 02	99 46	1650		MID	CLARENCE L JENSEN	3 4
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
FESSENDEN	2949	WELLS	5	47 39	98 37	1610	6P	6P	JOHN V ZUBER	2 3 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1930		8A	GEORGE W SINCLAIR	9
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5 7
FORT YATES	3207	SIOUX	8	46 06	100 38	1640	SS	SS	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1809	5P	5P	U S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F O ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	99 08	1951	8P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	7A	7A	GEORGE J MAHOWALD	2 3 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	LOUIS N GAUER	3 4 5
GOLVA 1 SE	3556	GOLDEN VALLEY	7	46 44	103 57	2780		MID	ISADORE MARQUISS	3 4
GRAFTON STATE SCHOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LANONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3821	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1825		MID	ALVIN C REINKE	3 4
GRANVILLE	3686	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROHLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN KISSE	3
HANKINSON RR STATION	3808	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	98 12	1428		MID	HOMER A BENSON	3 4
MANNAR	3936	CAVALIER	9	48 59	98 41	1570	6P	6P	U S CUSTOMS OFFICE	2 3 5
HANSBORO	3963	TOWNER	9	48 57	99 23	1587	7P	7P	W S DIGHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	H J REYNOLDS	3
HAYNES 6 NE	4073	ADAMS	1	46 01	102 24	2640		MID	BYRON H BOBB	3 4
HAZELTON RR STATION	4083	EMMONS	8	46 29	100 17	1978		MID	EPHRAIM ZACHER	3 4
HETTINGER	4178	ADAMS	3	46 00	102 38	2675	6P	6P	EDWARD H HJORUM	2 3 4 5 7
HILLSBORO	4203	TRAILL	10	47 24	97 04	901	8P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	89 55	1915		MID	MRS B RUTH BUCHWITZ	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE HOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1799	MID	MID	THEO E ECKBERG	2 3 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 15	98 52	1440	7P	7P	U S WILDLIFE REF	2 3 5
KRAMER 5 SE	4823	BOTTINEAU	12	48 39	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5 7
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	ELEW PETERSON	2 3 5
LEEDS	5078	BENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5 7
LISBON	5220	RANSOM	11	46 28	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5 7
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	6P	6P	BENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	6P	P P GRANE	2 3 5 7
MARTIN	5610	SHERIDAN	11	47 50	100 07	1610		6P	JOHN W MAGNUSON	3
MAX	5638	MC LEAN	8	47 49	101 17	2083	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5660	TRAILL	10	47 30	97 19	975	8P	6P	H A RAGA2	2 3 5 7
MC CLUSKY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A HAMILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MID	HARTVIN B HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	98 35	1508	8P	BP	C E BLASKY	3 5 7
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	H H KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	46 53	99 19			6P	RUDOLPH GRAF	3

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip	Observer	Refer to tables
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 93	2271		5P	5P PARK SUPT	CLOSED
MEGORA TRNMP	5813	BILLINGS	7	46 58	103 30	2250		5P	5P U9 FOREST 9ERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	99 02	1625		MID	EDGAR 9 9T8GME1ER	3 4
MINOT CAA AP	5988	WARD	12	48 15	101 17	1724		MIDMID	U 9 CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720		6P	6P N C AGRI EXP 9T	2 3 5
MOFFIT RR 9TATION	6015	BURLEIGH	8	46 41	100 18	1760			9A 9OO LINE AGENT	3
MONAIL	6025	RENVILLE	12	48 46	101 31	1639		9P	9P IVER JOHN9ON	2 3 5 7
MONTPELIER	6105	STUTSMAN	5	48 42	98 35				8A ROLF HAN9ON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420		9S	SS FOREST E COFING	2 3 4 5 7
MUNICB 4 SW	6195	CAVALIER	2	48 38	98 53	1598		7P	7P HAROLD FELDNER	2 3 5
NAPOLEON 1 SE	6255	LOGAN	8	46 29	99 45	1955		7P	7P GLADYS J PETER9ON	2 3 4 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621		8A	8A ADNA 9 HATCH	2 3 5
NEW ROCKFORD	6350	EDDY	5	47 41	99 08	1555			99 VALENTINE A RIEDER	3
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550		8S	6P RICHARD STEINBACB	2 3 5
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163		6P	8P WM F GAEBE	2 3 5
OAKES	6620	DICKEY	5	46 08	98 05	1320		8A	8A C M NAGEN	2 3 4 5
OMEMEE 3 SE	6703	BOTTINEAU	12	48 39	100 20				MID ARTHUR B VOLLMER	CLOSED
PARK RIVER	6857	WALSH	10	48 23	97 45	998		5P	5P MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL	8	47 57	102 08	1929		6P	6P C E SHUBERT	2 3 5 7
PEMBINA CAA AP	6947	PEMBINA	10	48 57	97 15	792		MIDMID	U 9 CIVIL AERO ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 01	98 00	1524		7P	7P T C OVERLAND	2 3 5 7
PETTIBONE	7047	KIDDER	8	47 07	98 31	1860		7P	7P L H DETNLOFF	2 3 5 7
PORTAL	7201	BURKE	12	49 00	102 33	1954		9A	9A U 9 CUSTOMS SER	2 3 5 7
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205		5P	5P E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51				6P FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04				MID ALVIN LARSON	3 4
REEDER 14 N	7452	SLOPE	1	46 19	102 57	2860			8A CHAS W METZINGER	2 3 5
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467		5P	5P ASSUMPTION ABBEY	2 3 4 5 7
RIVERDALE GARRISON DAM	7585	MC LEAN	8	47 30	101 24	1910		5P	5P CORPS OF ENGINEERS	2 3 4 5 6 7
ROLETTE	7655	ROLETTE	12	48 40	99 50	1625		MIDMID	GEORGE F GEHRKE	3 4
ROLLA	7664	ROLETTE	9	48 52	99 37	1860		7P	7P TNEO B FAGERLUND	2 3 5 7
RUGBY	7704	PIERCE	12	48 22	100 00	1560		6P	8P FRANK HORNSTEIN	2 3 5 7
RYDER	7749	WARD	8	47 55	101 40	2108			9A S C SCHELLENBAUM	3
SANISB	7834	MOUNTRAIL	8	47 59	102 32	1835		7A	7A H J BUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	99 00	1585			MID CLARENCE J OLSON	3 4
SEARING	7944	MC KINZIE	13	47 36	103 48				MID GLENN S MC RAE	3 4
SELFRIDGE 11 W	7952	SIOUX	8	46 01	101 10	2183			7P L S WILSON	3
SHARON	7986	STEELE	10	47 36	97 54	1516		8P	8P HUGH LYON	2 3 5 7
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647			6P U S CUSTOMS SERV	3
SHEYENNE	8057	EDDY	11	47 50	99 07	1500			MID ALVIN E SODERHOLM	3 4
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2258		7P	7P LEROY EDWARDS	2 3 5 7
STEELE	8366	KIDDER		46 52	98 55	1857		8P	8P LEON V LESHER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179			6P GEORGE N PILGARD	3
TIOGA	8737	WILLIAMS		48 24	102 56	2279			6P L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482		7P	7P AUGUST B R18D8R	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419			5P WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899		8P	8P A S HAA9	2 3 5
TUTTLE 8 SW	8850	KIDDER	8	47 02	100 04	1936			8P ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750		6P	8P MR9 F W MATTOON	2 3 5
UPHAM WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425		5P	5P U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229		6P	6P MISS I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	1884		9P	9P ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511		6P	6P OSCAR ANDERSON	2 3 5 7
VERONA	8035	LA MOURE	5	46 22	98 04				10A LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962			MID VICTOR BURTON	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 16	96 36	962		5P	5P 9T SCH OF SCIENCE	2 3 5 7
WALHALLA	9155	PEMBINA	9	48 56	97 54	950			7P JAMES N TOUMANE	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731		6P	6P FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084		8P	8P J C ZELLER	2 3 5 7
WESTBOPE	9333	BOTTINEAU	12	48 55	101 01	1508		8P	6P REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258			8P JONATHAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 95	1877		MID	MID U 9 WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	9445	BOTTINEAU	12	48 36	100 17	1471		8P	8P O M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2159		8A	8A SOO LINE AGENT	2 3 5
WISHEK	9515	MC INTOSH	8	46 16	99 34	2010		8A	8A H M LARSON	2 3 5

NEW STATIONS

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip	Observer	Refer to tables
FRYBURG	3277	BILLINGS	4	46 53	103 18	2790		7A	HERMAN J MAY	3
TROTTERS GEN STORE	8812	GOLDEN VALLEY	13	47 20	103 54	2420		MID	EUGENE A RUDGELL	3 4
LEFOR 10 E	5088	STARK	4	46 38	102 21	2580		5P	JOSEPH LINK	3

† DRAINAGE CODE: 1. Cannonball 2. Devils Lake 3. Grand 4 Heart 5 James 6 Knife 7 Little Missouri 8 Missouri 9 Pembina 10 Red 11 Sheyenne 12 Souris 13 Yellowstone

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the postoffice.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

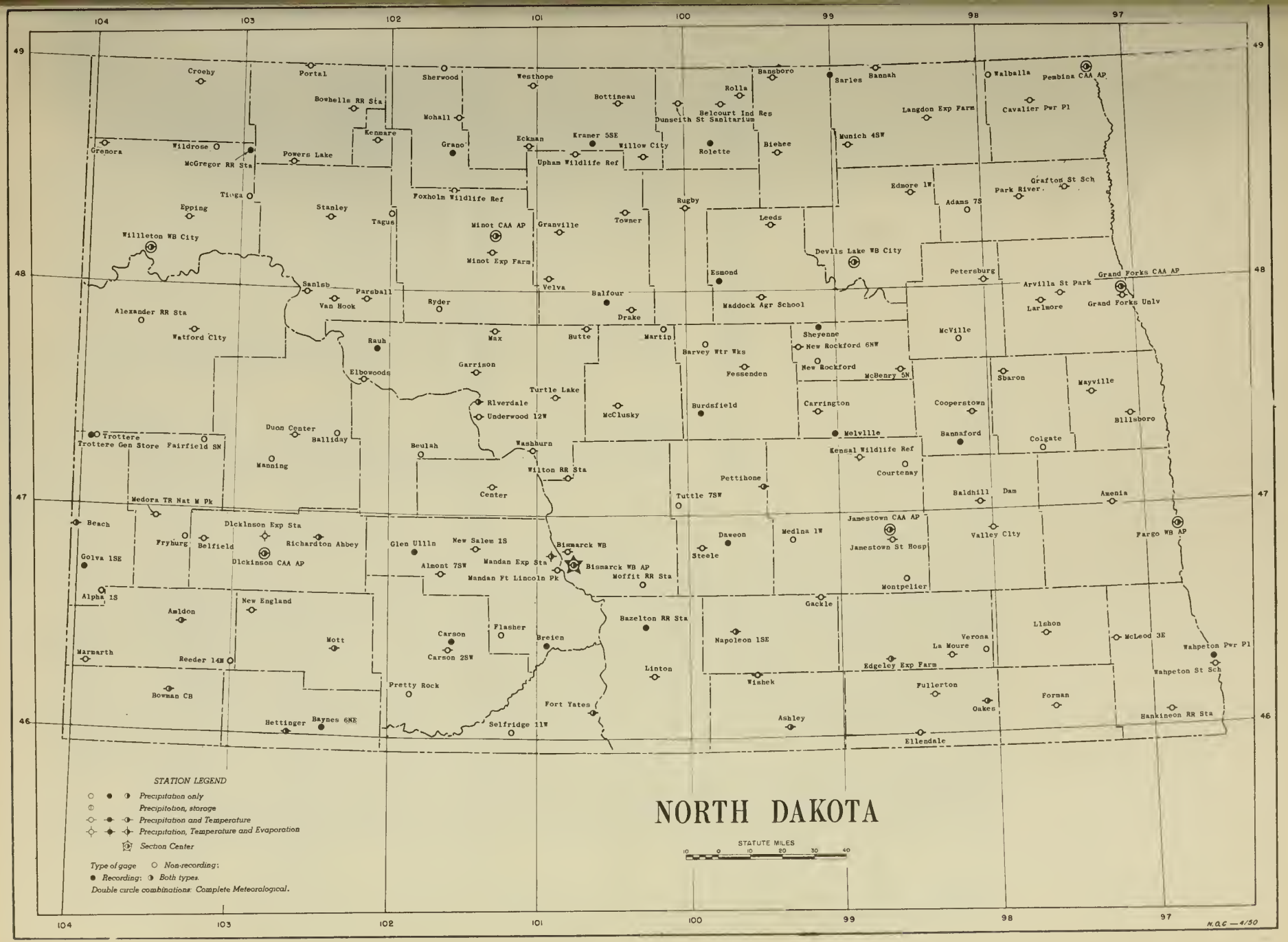
Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830.

-	No record in Tables 3, 4, 6, 7 and the Station Index. No record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
+	And also on a later date or dates.
•	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
S	Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
B	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table 5 for detailed daily record.
R	Station equipped with recording gage only.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
Z	Hourly amounts from a recording gage at the same site may be found in Table 4.
SS	This entry in time of observation column in Station Index means observation made near sunset.

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W.B.O., Kansas City, Mo. -- 7-19-50 -- 1100


104
103
102
101
100
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98
97
49
48
47
46
Crosby
Portal
Sherwood
Westhope
Bottineau
Bowbells RR Sta
Mohall
Kenmare
Grano
Eckman
Kramer 5SE
Willow City
Upham Wildlife Ref
Rolette
Dunseith St Sanitarium
Rolla
Bantoro
Sarles
Bannah
Walhalla
Pembina CAA AP
Cavalier Pwr Pl
Langdon Exp Farm
Munich 4SW
Biehee
Grenora
Wildrose
McGregor RR Sta
Powers Lake
Foxholm Wildlife Ref
Tioga
Epping
Stanley
Tagus
Minot CAA AP
Granville
Towner
Rugby
Leeds
Edmore 1W
Adams 7S
Grafton St Sch
Park River
Willleton WB City
Minot Exp Farm
Devlls Lake WB City
Esmond
Petersburg
Arvilla St Park
Grand Forks CAA AP
Grand Forks Unlv
Larlmore
Sanlsb
Pareball
Velva
Balfour
Van Hook
Ryder
Drake
Maddock Agr School
Alexander RR Sta
Watford Clty
Rauh
Max
Butte
Martin
Barvey Wtr Wks
Sheyenne
New Rockford 6NW
McVille
Garrison
Pessenden
New Rockford
McHenry 5N
Sharon
Mayville
Elbowoods
Turtle Lake
Rlverdale
Underwood 12W
McClusky
Burdsfield
Carrington
Cooperstown
Bllllsboro
Trottere
Trottere Gen Store
Fairfield SN
Duon Center
Balliday
Manning
Beulah
Washburn
Melvllle
Bannaford
Colgate
Kensal Wildlife Ref
Courtenay
Wilton RR Sta
Center
Pettihone
Tuttle 7SW
Baldhill Dam
Amenia
Medora TR Nat M Pk
Beach
Dicklnson Exp Sta
Fryburg
Belfield
Richardton Abbey
Golva 1SE
Dickinson CAA AP
Glen Ullin
New Salem 1S
Almont 7SW
Mandan Exp Sta
Bismarck WB
Bismarck WB AP
Mandan Ft Lincoln Pk
Moffit RR Sta
Daweon
Steele
Medina 1W
Jamestown CAA AP
Jamestown St Hosp
Valley Clty
Fargo WB AP
Montpelier
Alpha 1S
New England
Amidon
Gackle
Bazelton RR Sta
Flasher
Carson
Carson 2SW
Breien
Napoleon 1SE
Llshon
McLeod 3E
Verona
La Moure
Edgeley Exp Farm
Wahpeton Pwr Pl
Wahpeton St Sch
Marmarth
Reeder 14W
Mott
Linton
Wishek
Fullerton
Oakes
Forman
Hankineon RR Sta
Bowman CB
Pretty Rock
Fort Yates
Hettinger
Baynes 6NE
Selfridge 11W
Ashley
Ellendale
STATION LEGEND
Precipitation only
Precipitation, storage
Precipitation and Temperature
Precipitation, Temperature and Evaporation
Section Center
Type of gage ○ Non-recording;
● Recording; ◑ Both types.
Double circle combinations: Complete Meteorological.
NORTH DAKOTA
STATUTE MILES
10 0 10 20 30 40
N.D.C. — 4/50

.05
VT
6

Nat. Hist.

JUN 20 1951

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CLIMATOLOGICAL DATA

NORTH DAKOTA

JUNE 1950
Volume LIX No. 6

Nat. Hist.

KANSAS CITY: 1950

NORTH DAKOTA - JUNE, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

June was generally a favorable month for crops and outdoor activities. The weather was cool and precipitation was mostly adequate for crop development. A few sections, mostly in the southern part of the state, were short of moisture. The eastern part of the state had a carry-over of too much moisture and the dry, sunny weather during June was welcome in that section. Heavy showers fell in a few areas, causing some washing and damage to crops.

The precipitation for the state was 0.36 inch below normal. The eastern division averaged 0.92 inch below normal, the middle division 0.16 inch below normal, and the western division averaged 0.01 inch above normal. The northern part of the state and some central areas received above-normal amounts but the southern parts of the state, especially the southwestern and extreme southeastern sections, were dry. The greatest monthly amount of precipitation, 6.64 inches, fell at Portal with most other stations in Burke, Renville, Bottineau, McHenry and McKenzie counties receiving from four to six inches. The greatest 24-hour amount was 3.61 inches on the 25th at Napoleon, with only 0.20 inch falling during the rest of the month. The least precipitation for the month was in Dickey County with Oakes reporting only 0.36 inch. Where the moisture was adequate, the showers were moderate to heavy and well distributed throughout the month.

The temperature for the state averaged 0.6 of a degree below the June normal. It averaged 0.3 degree above normal in the eastern section, 1.2° below normal in the middle division and 1.8° below normal in the western division. The highest temperature was 101° on the 6th at Jamestown. There was also a warm period on the 20-22nd. The lowest temperature reported was 25° on the 3rd at Minot. Most stations in the northern and central parts of the state had light frost on the 3rd with damage to tender vegetation. June opened with the crop season two to three weeks late but nearly all crops were seeded by the middle of June. Growth was rapid throughout the month with warm weather and generally ample rainfall. Precipitation was largely in showers hence a large variation in rainfall. Some soil blowing occurred in scattered areas early in the month but very little damage was reported. In some drier areas of the south and west-central sections germination of some late grains was not too good due to dry top soil conditions. By the end of the month rye was generally all headed out with good stands. Other crops had not yet reached the stage of heading. The poorest stands appeared to be over the southern half of the state. No serious damage from grasshoppers or aphids was reported.

Quite a little summer fallowing was accomplished in all sections. Livestock picked up rapidly on ample pastures and were in good condition at the close of the month. Less than the average hail damage was reported.--FJB

- - - -

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages --mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Bydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Bydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public officers, private agencies, and individuals as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismarck WB Airport	WNW	16	14.0	47	NE	7	69	77	45	42	8	4	2	1	0	0	15	64	5.6	104
Devils Lake WB City	-	-	10.3	34	NE	8	-	-	-	-	3	9	5	0	1	0	18	59	5.5	154
Fargo WB Airport	NNW	11	15.8	66	NW	22	67	74	46	42	8	7	3	2	0	0	20	63	5.3	74
Williston WB City	-	-	8.9	37	W	22	71	78	48	43	5	4	4	1	3	0	17	77	6.6	151

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	60.5	94	28	3.35	0	8
1893	67.4	103	33	3.38	0	9
1894	68.8	103	25	3.44	0	7
1895	59.7	97	29	4.67	0	12
1896	65.6	97	37	4.02	0	9
1897	61.7	109	20	3.75	0	9
1898	62.6	105	26	3.19	0	9
1899	62.2	105	30	3.81	0	10
1900	66.9	109	27	1.39	0	5
1901	61.6	95	22	6.14	0	15
1902	58.0	97	28	3.65	0	11
1903	62.4	96	27	1.44	0	4
1904	61.4	100	30	5.56	0	11
1905	59.7	97	32	4.33	0	12
1906	62.0	95	32	4.78	0	11
1907	61.9	95	25	2.93	0	10
1908	60.4	93	27	3.41	0	10
1909	62.9	98	28	3.45	0	10
1910	67.3	111	19	2.04	0	6
1911	66.9	108	25	3.05	0	9
1912	61.8	104	28	2.01	0	6
1913	65.8	101	27	2.45	0	8
1914	62.2	93	29	8.48	0	13
1915	56.7	94	20	4.81	0	12
1916	58.0	92	29	3.87	0	11
1917	59.7	103	19	2.07	0	8
1918	63.3	102	27	1.58	0	7
1919	67.2	108	22	2.21	0	5
1920	62.2	98	26	3.53	0	11
1921	68.2	108	30	3.62	0	9
1922	63.5	108	30	3.79	0	9
1923	66.1	100	30	3.94	0	8
1924	58.6	89	26	4.04	0	11
1925	61.5	98	30	6.00	0	14
1926	60.7	104	22	2.61	0	9
1927	61.2	99	22	2.82	0	9
1928	58.2	92	24	4.89	0	12
1929	61.4	98	21	1.44	0	7
1930	63.3	96	30	3.09	0	10
1931	68.4	110	27	2.35	0	8
1932	67.0	98	34	3.92	0	10
1933	70.7	110	33	1.77	0	7
1934	64.3	100	29	3.04	0	11
1935	60.3	99	25	3.04	T	10
1936	66.4	110	28	1.34	0	6
1937	63.5	109	25	4.03	T	7
1938	64.2	99	27	2.73	0	9
1939	60.1	99	29	4.59	0	12
1940	63.1	102	27	2.24	0	9
1941	64.2	97	32	5.54	0	12
1942	60.1	90	27	3.12	0	11
1943	60.4	102	28	5.07	1.3	13
1944	61.7	93	30	6.43	T	13
1945	57.5	99	28	2.48	0	11
1946	63.2	100	26	3.06	0	10
1947	59.6	90	24	5.81	T	14
1948	62.4	101	30	3.12	0	10
1949	63.7	104	26	2.64	T	9
1950	62.2	101	25	3.14	T	9
PER100	62.8			3.50	T	

CLIMATOLOGICAL DATA

Table 2

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																		
Amenia	65.0		99	6	37	3	4	0	3.58		2.18	25	T	0		9	3	1
Baldhill Dam	62.9		98	7	39	10	3	0	3.68		1.55	25	.0	0		8	3	2
Carrington	62.6	- .8	94	22	31	3	2	1	2.48	- .97	.97	16	.0	0		6	4	0
Cooperstown	64.9	1.7	95	6	34	3	4	0	4.55	1.28	1.42	25	T	0		8	6	2
Devils Lake W B C 1	61.5	- .4	89	6+	34	3	0	0	2.53	- 1.03	1.23	25	.0	0		15	3	1
Edgeley Exp Farm	64.8	1.2	99	6	33	3	5	0	1.39	- 2.28	1.05	25	.0	0		5	1	1
Edmore 1 W	60.3	- 2.0	87	6	32	3	0	1	2.74	- .37	1.63	25	T	0		8	2	1
Ellendale	66.5	1.7	99	6	35	3	6	0	.63	- 2.78	.15	25	.0	0		9	0	0
Fargo WB AP //	65.6	1.2	99	6	37	3	3	0	2.29	- 1.76	.94	25	T	0		12	3	0
Forman	65.8 M	.8	99	22	35	3		0	.88	- 2.72	.39	26	.0	0		7	1	0
Fullerton	65.7	1.5	99	6+	34	3	4	0	.58	- 3.33	.30	25	T	0		6	1	0
Grafton St. School	64.1	.4	95	22	36	3	4	0	2.42	- .83	1.19	25	.0	0		8	3	1
Grand Forks CAA AP //	62.6	- .8	94	6+	37	3	3	0	3.29	.01	1.39	25	T	0		11	4	1
Grand Forks Univ	63.3	- .1	97	6	37	3	3	0	3.66	.36			T	0		14	4	1
Hankinson R R Sta	67.0 M	.1			39			0	.71	- 2.87	.62	13	.0	0		3	1	0
Hannah	59.5	- 1.0	85	6+	31	3	0	1	3.69	.28	1.02	25	.0	0		9	6	1
Hillsboro	63.8	- .9	100	6	36	3	2	0	3.39	- .03	1.03	25	.0	0		11	5	1
Jamestown CAA AP //	63.0	- .7	98	6	33	3	3	0	4.78	1.28	2.03	25	T	0		6	4	2
Jamestown St. Hosp.	66.1		101	6	35	3	4	0	3.23	- .27	2.00	25	.0	0		5	3	1
Kensal Wildlife Ref	63.3		93	6+	32	3	4	1	2.75		.95	25	T	0		6	3	0
La Moure	67.0		98	6	35	3	6	0	1.78		1.01	25	T	0		8	2	1
Langdon Exp Farm	59.9	- .7	89	14	28	3	0	1	3.40	.16	1.20	25	T	0		12	4	1
Larimore	64.1 M	1.2	89	7+	36	3	0	0	2.57	- .99	1.68	25	.0	0		3	2	1
Lisbon	64.8	.4	99	23	34	3	7	0	1.81	- 2.09	.90	26	.0	0		5	2	0
Mayville	65.1	.6	97	6	35	3	3	0	3.30	- .07	.87	25	T	0		9	5	0

See reference notes following Station Index.

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Snow, Sleet, Hail Max. depth on ground	Snow, Sleet, Hail Date	.01 or more	.25 or more	1.00 or more
Mc Henry 5 N	61.8	.0	91	6+	30	3	3	1	2.32	- 1.15	.76	25	T	0		12	4	0
Mc Leod 3 E	66.0	.7	97	22	36	3	4	0	1.20	- 2.63	.41	12	T	0		7	2	0
Munich 4 SW	59.2		86	6+	30	3	0	1	2.54		.88	25	.0	0		13	4	0
Oakee	65.7	.4	98	7+	35	3	6	0	.36	- 3.28	.24	25	.0	0		3	0	0
Park River	63.6	.5	91	22	35	3	2	0	2.97	- .29	1.74	25	.0	0		8	3	1
Pembina CAA //	60.2	- 2.6	91	22	36	3	1	0	4.54	1.35	1.48	25	T	0		13	6	1
Sharon	62.2	- .8	92	6	34	3	1	0	4.45	.84	1.50	25	.0	0		10	5	2
Valley City	66.7	2.6	100	6	36	3	6	0	4.10	.55	1.90	25	T	0		7	3	2
Wahpeton St. School	68.0	2.2	100	6	38	3	6	0	1.28	- 2.30	.90	12	.0	0		7	1	0
DIVISION	63.9	.3							2.61	- .92			T					
MIDDLE DIVISION																		
Ashley //	63.9	.7	98	6	30	3	4	1	1.19	- 2.23	.73	25	.0	0		7	1	0
Belcourt Indian Ree	57.7		84	4	28	3	0	1	5.29		1.60	25	.0	0		13	5	2
Biebee	59.9 M	- 2.2			29	3		1	3.53	.17	1.26	25	.0	0		10	4	1
Bismarck WB City	85.2	1.0	93	6	34	3	2	0	1.72	- 1.51	.66	24	.0	0		7	3	0
Bismarck WB AP	64.2		95	21	33	3	5	0	1.53	- 1.82	.67	24	.0	0		7	3	0
Bottineau	58.4	- 3.4	86	14	28	3	0	1	4.91	1.72	1.35	8	.0	0		14	4	3
Butte	63.9	1.4	92	21	38	9	1	0	3.04	- .36	.88	25	.0	0		10	5	0
Carson 2 SW	62.2	- 1.5	93	21	32	3	3	1	2.67	- .81	.90	8	.0	0		7	3	0
Center	61.7	- 2.0	91	6+	26	3	2	2	3.01	- .55	1.60	8	T	0		8	3	1
Drake	64.6 M	.8	100	23					4.34	1.18	1.70	8	.0	0		14	4	1
Dunseith St. Sanita	59.6	- 1.8	86	14	32	3	0	1	4.09	1.08	1.40	25	T	0		14	4	1
Eckman	59.5	- 2.5	89	22	28	3	0	1	4.45	1.47	1.20	8	.0	0		12	7	1
Fessenden	61.8	- .8	90	21	33	4	1	0	3.12	- .36	.95	12	.0	0		9	4	0
Fort Yatee	64.4 M	- 2.2	98	6	30	3	5		1.86	- 1.61	1.35	25	.0	0		6	2	1
Foxholm Wildlife R	61.9	.0	92	21	29	3	1	1	3.88	.90	1.54	25	.0	0		8	5	1
Garrison	61.2	- 1.7	93	21	32	3	2	1	2.68	- .74	1.10	25	.0	0		10	5	1
Granville	60.8 M	- 1.9			30	3		1	3.83	.64	1.23	8	.0	0		9	5	2
Hanshoro	58.5 M	- 2.3							4.00	.68	1.38	25	T	0		14	6	1
Leeds	62.4		91	61	32	3	2	1	2.25		.79	25	.0	0		11	3	0
Linton	66.0	.8	100	6	32	3	7	1	3.38	.11	2.74	25	.0	0		8	2	1
Maddock Agr School	62.2	.0	91	21	31	3	1	1	2.47	- .92	.76	25	T	0		13	3	0
Mandan Exp Station	62.5	- 1.9	92	22	32	3	2	1	2.67	- .61	1.34	8	.0	0		7	3	1
Mandan Ft. Lincoln	65.4		97	21	32	3	5	1	1.76		.74	24	T	0		7	3	0
Max	61.3	- 2.3	92	21	32	3	2	1	2.33	- 1.06	.81	7	.0	0		7	3	0
Mc Clusky	62.1	- .2	91	21	28	3	1	1	3.23	- .23	1.52	8	.0	0		8	3	1
Minot CAA AP //	61.1	- 4.0	91	21	34	3	1	0	4.13	1.02	1.34	25	T	0		9	8	1
Minot Exp Farm	60.8		90	21	25	3	1	2	3.24		1.18	25	T	0		11	4	1
Mohall	80.2	- 1.5	87	21	32	3	0	1	5.76	2.83	1.87	15	T	0		12	4	3
Napoleon 1 SE	64.2	1.3	95	6	32	3	3	1	3.81	.45	3.61	25	.0	0		3	1	1
New Salem 1 S	62.1	- 1.5	92	21	35	3	3	0	2.55	- .90	1.24	8	.0	0		6	3	1
Pettihone	63.3	.7	98	6	31	3	3	1	1.86	- 1.25	.81	25	.0	0		7	2	0
Riverdale	62.6		94	21	34	3	1	0	2.85		1.54	25	.0	0		7	3	1
Rolla	59.2	- 1.1	85	4+	32	3	0	1	4.50	1.10	1.43	25	T	0		14	6	1
Rugby	62.6		89	21+	32	3	0	1	3.49	.39	.87	25	.0	0		13	4	0
Steele	63.4	.4	94	6	34	3	2	0	2.82	- .74	1.11	25	T	0		8	3	1
Towner	61.3	- 2.1	93	21	29	3	1	1	4.28	1.17	1.10	8	.0	0		8	4	2
Underwood 12 W	61.9	- 2.4	94	20	28	3	1	1	2.58	- .84	1.10	25	.0	0		8	3	1
Upham Wildlife Ref	61.7		91	14	28	3	1	1	5.74		1.71	8	T	0		11	5	3
Velva	62.4	- 2.2	90	21	33	3	1	0	3.57	.64	1.06	25	T	0		14	5	1
Washburn	63.5	- 1.4	91	21	34	3	1	0	3.64	.25	2.14	8	.0	0		8	3	1
Westhope	60.7	- 2.0	87	4+	34	3	0	0	4.72	1.71	1.95	8	.0	0		9	3	2
Willow City	61.2	- .1	88	4	31	3	0	1	4.06	1.01	1.37	25	.0	0		12	5	2
Wilton R R Station	60.5 M	- 2.3	90	7	34	3	1	0	2.69	- .59	1.58	8	.0	0		11	3	1
Wiehek	62.4	- 1.2	95	7	32	3	4	1	2.07	- 1.39	1.56	25	.0	0		9	1	1
DIVISION	62.0	- 1.2							3.31	- .16			T					
WESTERN DIVISION																		
Almont 7 SW	62.0		91	21	38	9	2	0	3.16		1.43	8	.0	0		8	4	1
Amidon	62.3	- .5	92	21+	31	1	2	1	2.54	- .94	.70	25	.0	0		7	5	0
Beach	60.7	- 1.9	90	21	34	8+	1	0	5.21	1.62	1.13	13	T	0		13	7	2
Belfield	59.3	- 2.4	90	21	32	3	1	1	4.61	1.19	.87	25	T	0		11	7	0
Bowbells R R Sta	59.9	- 1.9	91	21	30	3	1	1	4.22	.98	1.48	8	.0	0		11	3	2
Bowman Court House //	61.0 M	- 2.4	91	21	35	3+	2	0	1.72	- 1.39	.51	8	T	0		8	4	0
Croehy	59.7	- 2.0	91	22	37	2+	1	0	3.91	.75	1.30	8	.0	0		12	6	1
Dickineon CAA AP	60.8	- 1.3	92	21	35	3	1	0	2.94	- .58	.79	7	.0	0		10	3	0
Dickineon Exp Sta	60.1		92	22	35	3	1	0	2.87	- .65	1.01	25	.0	0		10	5	1
Dunn Center	59.3	- 3.2	91	22	30	3	1	1	4.29	.59	1.41	8	.0	0		10	4	2
Elhowoods	60.4	- 3.0	94	21+	31	3	3	1	1.70	- 1.98	1.36	26	T	0		4	1	1
Epping	61.7	- 1.4	91	21	34	3+	1	0	3.13	- .18	1.02	8+	.0	0		9	4	2
Grenora	61.9	.9	90	14+	38	3+	2	0	4.63	1.67	2.30	8	.0	0		6	4	1
Kenmare	60.6	- 1.8	91	22	34	3	1	0	4.41	1.52	.98	8	.0	0		10	7	0
Marmarth	62.8 M	- .6	92	21	33	3		0	3.32	.19	1.50	25	T	0		9	4	1
Medora T R N M P	61.1		92	21	28	3	1	2	2.91		.79	8+	.0	0		11	4	0
Mott	60.9	- 4.1	90	21	32	3+	1	2	2.19	- 1.06	.60	7	T	0		9	3	0
New England	61.8	- 1.8	93	21	33	9	1	0	1.87	- 1.29	.56	8	.0	0		8	3	0
Parshall	60.8	- 1.2	91	21	30	3	2	1	3.77	.28	1.34	25	T	0		11	5	1
Portal	59.2	- 1.4	87	15+	34	2+	0	0	6.64	3.55	1.77	17	.0	0		13	8	3
Richardton Abbey	61.5	- 1.6	92	21	37	3+	1	0	2.66	- .81	.63	25	T	0		11	5	0
Sanieh	59.6	- 3.7	94	22	29	2	2	1	3.22	- .15	1.25	25	.0	0		9	4	1
Stanley	59.1		92	21	33	9	1	0	3.70	.30	1.95	25	.0	0		8	3	1
Van Hook	61.9		93	21	31	3	2	1	2.51		1.04	25	.0	0		12	4	1
Watford City	61.6	- 1.5	92	21	35	8+	1	0	4.31	1.16	1.25	25	.0	0		10	5	2
Willieton WB City	61.2	- 1.5	91	21	37	8	1	0	4.88	1.45	1.10	8	T	0		12	5	3
DIVISION	60.8	- 1.8							3.51	.01			T					
STATE	62.2	- .6							3.14	- .36			T					

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3

NORTH DAKOTA
JUNE 1850

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 9								.25								.83				.20	T	.10				1.30	1.18					3.87
Alexander R R Sta							.41	1.58	.23			.07	.11		.67		.75			.07				.06	1.25	.06		.01		.29		5.56
Almont 7 SW							.16	1.43	T				.32		.06		.17					T		.55	.45					.02		3.18
Alpha 1 9							T	.57					.64		T		.12					T	.07	.22	1.15					.05		2.82
Amenia		2.18					.07					.57			.03							.28	.05	.21			.08	.11				3.58
Amidon Z							T	.60	T				.35		.25	T	.10							.40	.70					.14		2.54
Antler R							.31	.76				.08	.21		.63					.06	.25	.04			.87		.12			.46		3.79
Arvilla St. Pk												.11			.62	.04	.06					.01		.30	1.14	.10	.02		.02			2.42
Ashley 2 //								.07							.07		.14			.11			.12	.04	.73		.02					1.30
Baldhill Dam							.02		T	T			1.05			.06							.15	.20	1.55	.55		.10		T		3.68
Balfour R							.69	.53	.04			.37		.11			.08		-	-	-	-	-	-	-	-	-	-	-	-		-
Besch 2							.30	.90	.25			.03	1.13	T	.82	.02	.50					T		.06	1.00		.05	.05		.10		5.21
Belcourt Indian Res 2							.04	.91	.04	.01		.02		.06	.68	.01	.05		.21			1.17			1.60	.42						5.23
Belfield							.09	.67	.10			.03	.53		.48		.70	.03				T	T	.48	.87		.65			T		4.81
Berthold							.02	.83	.03			.48			.33	.05	.13	.01				.02			1.24					.08		3.23
Beulah 2								.63				.09			.18		.07	.02						.46	.66	.07						2.18
Bisbee							.02	.52	.06			T		.43	.80				.11		.12	.01			1.26	.20						3.53
Bismarck WB City							T	.46	T			.01	.01	.05	T		.06		T					.66	.47					T		1.72
Bismarck WB AP Z						T	.27	.09	T			.01	T	T	.02	T	.06			T			T	.67	.41					T		1.53
Bottineau		.08					.02	1.35	.08					.09	1.03	.03	.08				.05	.32			1.33	.16	.06	T		.01		4.71
Bowbelle R R 9ts							.02	1.48	.20			.17			.62	.02	.17	T	T		.07	T	.08		1.31					.08		4.22
Bowman Court House 2 //							.03	.51	T				.42			T	T							.33	.38					.05		1.72
Brelen R							.52	.01									.07							.37	1.59							2.56
Butte							.05	.75	.08			.49			.05	.26	.06							.31	.88		.11			T		3.04
Carrington								.25	T							.97				.10				.25	.81	.10		T				2.48
Carson R							1.23	.02					.11		.17		.06							.62	.45							2.68
Carson 2 SW							.05	.90					.18		.19	.	.08					T		.52	.75							2.87
Center							T	1.60	.05			T			.22	.05	.23							.33	.48	.05						3.01
Colgate												.69							.23					.25	2.00	.18						3.35
Columbus							.05	1.25	.15			.35			.53	.03					.38	.05			.88	.24						3.82
Cooperetown								.50		.08		.45			.65		T					.31		1.04	1.42			.10		T		4.56
Courtenay								.06				.57			.12							T		.47	1.23	.05	.11			.08		2.88
Crosby	T						.04	1.30	.44			.21	.01		.53	.32		.03			.03				.52	.38		.10				3.81
Dawson R								.10				.25		.06			.05							.40	.93					.19		1.98
Devils Lake WB City Z	T	.01					T	.02	.12			.12	.35	.02	.21		.06				.03			.25	1.23	.02	.07	T	.01	.01		2.53
Dickinson CAA AP Z						T	.79	.18	.04			T	.22	T	.08	T	.21							.72	.64	T	.02			.04		2.94
Dickinson Exp Sta	T							.51	.07	T			.25		.10	T	.25	.20						.33	1.01	.07		.08				2.87
Donnybrook	T						T	1.17	.08			.42		.02	.38	.05	.22	T				.12	T	T	1.24	.01						3.71
Drake								1.70		.08		.08	.87	.01		.15	.02			.01	.01			.24	.73	.30	.01	.12				4.34
Dunn Center	.08							1.41	.07				.04		.77		.28	.12						.17	1.22	.13						4.28
Dunseith St. Sanitar							.02	.75	.10	T		.02		.02	.70	.01	.04			.21	.05	.52	T		1.40	.23	.02					4.08
Eckman							.06	1.20	.35	.02			.20		.42	.58		.10			T	.01			.44	.67		.40				4.45
Edgeley Exp Farm Z						.08		.08				T											.13	.04	1.05					T		1.38
Edmore 1 W	T		T				T	.17	.07	.10		T	T		.32		T		T		.14	.09	T	1.63	.22	T		T			2.74
Elbowoods								T							T	T	.13						.11		.10	1.36						1.70
Ellendale							.08							.02	T	T	.07		T	T		.03	.02	.11	.15		.07	.08				.83
Epping								1.02	.08			.31			.34		.17					.06			1.02		.03			.10		3.13
Fairfield 8 N							.05	1.07	.37				.49		.20		.58							.10	1.68		.16	.33		.02		5.05
Fargo WB AP 2 //	T	T				T	.07	.02	.01			.62			.01	T				.02	T	T	.28		.10	.94	T	.12	T	.02	.08		2.28
Fassenden								.74	.09			.95			.08	.03					.09				.57	.42		.15					3.12
Flasher								.52					.09				.19							.67	1.43	.18						3.08
Flaxton								1.41	.13			.04		.54	.02	T			.01			.11	.02		1.06	.03	.04	T				3.41
Forman							.07	.12												.10			.05	.06		.39		.09				.88
Fort Yates Z							.02	.30							.03		.10	T				T		.06	1.35							1.86
Foxholm Wildlife Ref								.84				.51		.58			.25	T			.04	.03			1.54	.02				.12		3.81
Fryburg	.03							.88	.06	T		.04	.53		.27	.03	.50	.07					T	.42	.87	.04		.01				3.53
Fullerton						.12													.04	T		T	.04	.02	.30			.06			.58	
Gackle		-	-	-	-	-	-	-	-	-	-	-	-	-	-	.08	T			.07			.08	.13	2.33			.02			-	
Garrison							.51	.28	.07			.03			.28	T	.05							.26	1.10		.08			.01		2.88
Gladstone 22 N R							.80	.10					.29	.21			.20						.01	.50	-	-	-	-	-	-		-
R																																
Glen Ullin R							.58	.14					.48		.08		.12						.04	.43	.27							2.13
Golva 1 SE R			-	-	-	-	-	-		-	-	-	-	.36			.13							-	-	-	-	-	-	-		-
Grafton St. Sch	T						.11		T			-	.04		T	.18	T	.28	T			.31		.14	1.19	.18	T	T	T			2.42
Grand Forks CAA AP 2 //	T						T		T			.12	T	T	.78	T	.01		.01		T	.61		.27	1.39	.03	.04	.01	.02	T		3.28
Grand Forks Univ	T						T		T	T		.13	T		.89	.20	.02		.01	.02	T	.50	.14	.36	1.43	.06	.05	.02	.03	T		3.68
Grano R //							.16	.64	.03			.28		.76	.88	.02	.22				.08	.05			1.00		.15			.12		4.38
Granville							T	1.23	.07					.45	.52		.25				.03				1.20		.06			.02		3.83
Grassy Butte R							.84	.72				.31	.41	.20			.67							1.51	1.64	.02	.15			.11		8.58
Gremora								2.30				.20			.75		.40								.83					.15		4.63
Halliday								.61	.06			.07			.42	.T	.15							.26	1.01	.09				.08		2.73
Hankinson R R Sta							.02	.07					.62			T				T			T									.71
Hannah								.30	.07	T				T	.50	.02						.55			1.02	.50	.72	.01				3.89
Hansboro							.02	.43	.05				.54	.08	.38	.02	.05		.08		.11	.43			1.38	.28	.15					4.00
Harvey Water Wks								.82	.08			1.88			.20	.10				.04				.54	.78		T			.08		4.50
Haynes 8 NE R						.12	.85	.02									.26							.35	.16					.19		1.75
Hazelton E R Sta. R //							.01	.06									.08							.20	1.86							2.21
Hettinger 2							.41	.47	.01				.06	T		T	.09	.02						.43	.48			.06				2.03
Hillsboro		T				T	T	T	.01			.80	.09		.49				.18		.03	.04	.03	.30	1.03	.31	T	T				3.38
Hurdsfield E							.21	.59	.14			.27			.08									.38	.50					.59		2.74
Jamestown CAA AP 2 //							T	T	T			1.97			.01	T	T			T		.28	T	.44	2.03			T		.05		4.78
Jamestown St. Hosp							T		.03			.84				T						T	.25	.11	2.00					T		3.23
Kenmare	T							.98	.80			.32	T		.82	.17		.30			.03	T	T		.70	.65		.04				4.41
Kensal Wildlife Ref								.24	.05			.54												.82	.95				.15			2.75
Kildeer 8 NW								.80	.26				.52		.11	.06	.35	.33						T	1.30	.28				T		3.99
Kramer 5 9E R	-	-	-	-			.79	.71	.03			.08		1.55	.78		.05								1.55	.07				.30		-
La Moure							.19					.08		.01	.01				T	T		.31		.15	1.01			.02				1.78
Langdon Exp Farm								.13	.10					.04	.73	.21	.04		.05	T		.04			1.20	.46	.38		.02			3.40
Lansford							.05	.81	.13			.24		.54	.55	.02	.17								1.14	.06						3.71
Larimore												.18		.71											1.88							2.57
Leeds								.58	.08			T			.28	.10	.08	T				.01	.08		.79	.09	.13		.05			2.25
Lefor 10 E							.07		1.08	T		.01	.31		.07	T	.28							.37	.45							2.84
Linton							.02	.10							.07		.12					.01		.30	2.74		.02					3.38
Lisbon							.18						.53										.07			.90		.13				1.81
Maddock Agr Sch	.01						T	.53	.07			.07			.18	.13	.03			T				.52	.76	.02	.10	.02		.03		2.47
Mandan Exp Sta 2	T						T	1.34		T		T	T		.02		.06	.01							.79	.32	.13					2.87
Mandan Ft Lincoln Pk						T	T	.32	T				.01		.02		.05							.74	.61	.01						1.76
Marmarth R							.22	.30	.08				.60		.05							T		.24	1.50	.03				.30		3.32
Martin								1.05	T			1.15			.30					.10				.15	.30					T		3.05
Max							.81	.05							.23								.17	.48	.43					.18		2.33
Mayville	T					T	T		.03	T		.31			.81	T		T		.28		.21	T	.63	.87	.15	T		.03			3.30
McClusky							.02	1.52	.12						.06		.02							.54	.85			.10				3.23
Mc Gregor R R 9ta R							.20	.72	.01			.52			.20		.37								1.00							3.02
Mc Henry 5 N							T	.18		.05		.27			.28	.04	.01			.04				.80	.76		.02	.04		.03		2.32
Mc Leod 3 E						T		.09				.41				T				.08		.03	.08	.13	.38							1.20
Mc Ville								.20	.05			.14			.03						.02			.51	1.40	.02	.04					2.41
Medina 1 W												.44												.43	2.10							2.97
Medora T R N M P							.07	.79	.08				.48		.11	T	.24	T			.01			.30	.78	.01				.05		2.91
Melville R								.10	.05			.61			.10									.87	.84		.20					2.77
Minot CAA AP Z //							.17	.78	.04			.44		.50	.39	T	.21		T		T	T		T	1.34	T	T			.28		4.13
Minot Exp Fm	T						T	.72	.02			.47		.17	.35	.04	.21			T		T			1.18	.01	.01			.08		3.24
Moffitt R R Sta	T							.44						.04										.51	1.14		T					2.13
Mohall							T	1.17	.16			.20		.22	1.87		.16				.13	.05			1.08	.04	.59			.09		5.76
Montpelier	T	T					T	.15		T			.88			.06				.12			.10	.15	1.76	.54		T				3.76
Mott 2							.60	.02					.24	.	.11		.06						.03	.56	.41		.18		T	T		2.19
Munich 4 SW								.06	.03	.05				.26	.80	.05	.03		.04		.04				.88	.25	.01	.04					2.54

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Napoleoo 1 SE	Z							T	T							T		.08							.12	3.61		T					3.81
New Eoglaod								T	.56	.03			T	.31		.01		.20							.21	.44					.11		1.87
New Rockford									.27	T			1.28			.10									.68	.48	.22				T		3.06
New Rockford 6 NW		T						T	.30	.06			1.00			.04	.11	T			.01	T			.52	.71		.02	.05		T		2.82
New Salem 1 S								.07	1.24	.02				.07											.75	.40					T		2.55
Nooosoo		.01							1.45				.45	.95		.45	T									.95	.08						4.34
Northgage	R							.30	1.18								.30					.09				.99		.25					3.11
Oakes	Z								T																	.24			.05	.07			.38
Park Rlver										T		.06				T	.27	.09	.05		T	T	.57		.09	1.74	.10	T	T				2.97
Parshall								T	.73	.06			.80			.22		.26		.01			T		.02	1.34	.01	.31			.01		3.77
Pembina CAA AP	2 //	.01						.01	T	.05	T				.82	.80				.04		.33	.02			1.48	.42	.49	.03	T	.04		4.54
Pettlhooe	Z	T							.12	.06			.20			T									.54	.81	.04		.09				1.86
Portal		T							1.08	.74	.02		.14	.27		.65		1.77				.08	.50	.06	.25		1.03		.05				6.64
Pretty Rock			.05			T	T	.06	1.69					.08	T			.13						T	.38	.89		.08			.13		3.48
Rauh	R //							.10	.51	.04						.28		.15							.14	1.07	.04	.08		.08			2.47
Reeder								.04	.44					.04	.14			.02	T						.45	.52					.80		2.45
Reeder 14 N									.44	.03				.46	.08	.04		.03	T						.41	.51	.03		.10				2.11
Richardtoo Abbey	Z							.11	.60	T			T	.29		.06	.01	.28					T		.35	.63	.04	T	.20		.09		2.68
Rlverdale	2	T						T	.57	.12			T			.11	T	.12	T						.35	1.54		.04			T		2.85
Rolette	R							.12	.59	.03			.10		.15	.13		.05				.05				1.32	.04						2.58
Rolla								.05	.60	.10			.01		.68	.50	.01	.03		.07	T		.64			1.43	.30	.04	.04		T		4.50
Rugby								.14	.72	.10			.10		.01	.67	.45	.16							.08	.87	.08	T	.12		.01		3.49
Ryder									.45				.12												.88		.88						1.91
Sanish								.	.52	.2R	.04					.20	.12	.12	.24							1.25	.45				T		3.22
Sarles	R //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				.34				1.44	.18	.25					-
Selfridge								.50						T	T			1.20							-			.05		T		-
Sharoo									.02	T			.45			1.25					.27		.05		.82	1.50	.03	.03	.03				4.45
Sherwood								T	1.22	.18			.12			.39	.03					T	.03	.08		.75		.10			.05		2.95
Sheyenoe	R								.27				.31		.05	.40									.51	.92		.05					2.51
Staoley								.11	.81	.05			.40			.17		.19								1.95		.02					3.70
Steele								.04	23	T		.05	.03			.66		.07							.63	1.11							2.82
Tagus							T	T	.58	.04			.18			.25	T	.17					.06		T	1.41	T				.04		2.73
Tioga									1.11				1.33			.13		.23								.93							3.73
Towner								.15	1.10	.09					.63	.92		.20								1.08		.11					4.28
Trottere										.99				.30		.38		.30						.08	.88	.10		.09			.03		3.15
Trotters Gen Store	R							.71	.27	.01			.09	.16	.35			.26							.67	.35		.02			.05		2.94
Uoderwood 12 W			T				T		.54	.10				T	.23	T	T					.04	.05		.40	1.10	.12		T				2.58
Upham Wildlife Ref								.10	1.71	.04			.11		1.01	.85	.01	.05								1.55	.05	.28						5.74
Valley City								.10						1.50			.08						.11		.40	1.90		.01					4.10
Vao Hook			T					.01	.54	.05			.05			.31		.28	.05	T			T		.03	1.04	.04	.05			.08		2.51
Velva								.06	.94	.02			.25		.10	.40	.15	.25					.02		.16	1.06	.01	.11			.04		3.57
Verooa								.35						.30							.05			.08		.80					.05		1.63
Wahpetoo St. Sch								.09	.02				.90				T				.01			.13		.04		T	.09	T			1.28
Washburo									2.14	.04					.05			.07							.51	.83							3.84
Watford City								.18	1.08	.29						.40	.06	.64	.18						.10	1.25					.13		4.31
Westhope									1.95	.10			.03	.06	T	.90		.12					.24			1.22		T			.10		4.72
Wildrose		T						.70	.80	.10			.20			.28	.04	.52				.12	.07			.76	.08				.05		3.72
Willlstoo WB City	Z						T	.52	1.10	.03			1.04		.22	.44	T	.18	T	T		.02	.16		.05	1.07		T			.05		4.88
Willow City								.25	1.12	.09			.10		.41	.27	.02	.08					T			1.37	.04	.17			.16		4.06
Wiltoo R R Sta								.02	1.58	.03				.01		.07	.01	.05	.07						.32	.29	.24						2.89
Wiehek		T						.02	.01	.01						T		.15			.09		.07			1.58	.09		.07				2.07
Zahl								.10	1.72	.08						.33		.38				T		.05		.75					.13		3.54

HOURLY PRECIPITATION

Table 4

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
													—1st—													
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOTT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SARLES 3 E	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													—2d—													
DEVILS LAKE WB CITY						.01																				.01
													—3d—													
GOLVA 1 SE											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													—4th—													
KRAMER 5 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
													—6th—													
EDGELEY EXP FARM																				.04						.04
HAYNES 6 NE																					.12					.12
													—7th—													
AMIDON																	.01	.02	.01	.02	.03	.02	.10	.30	.01	.52
ANTLER																						.07	.21	.03		.31
ASHLEY	//									.01														.01	.05	.07
BALFOUR																			.12	.11	.04			.01	.41	.69
BEACH											.03	.02			.03	.04	.03	.04	.11	.09	.04	.04	.02	.34	.08	.91
BEULAH																							.16	.17	.21	.54
BISMARCK WB AIRPORT																								.26	.01	.27
BOWMAN COURT HOUSE	//										.01		.01	.02		.01	.01	.03	.02	.02	.02	.36	.06			.59
BREIEN																						.36		.04	.12	.52
CARSON															.01	.02	.03	.01		.04	.39	.21		.51	.01	1.23
CROSBY																.01	.01	.01	.02	.01	.03	.27	.10	.15	.07	.88
DICKINSON CAA																						.01	.01	.02	.84	.88
FARGO WB AIRPORT	//		.02	.05																						.07
FORT YATES																	.01	.02					.24			.27
GLADSTONE 22N																		.03	.01	.01		.02	.15	.09	.29	.60
GLEN ULLIN																	.02	.03	.02			.01	.27	.07	.14	.56
GRANO	//																				.06	.06	02	.01	.01	.18
GRASSY BUTTE												.02							.01	.01	.05	.16	.33	.01	.25	.84
HALLIDAY																							.04	.13	.09	.28
HAYNES 6 NE																							.05	.58	.02	.65
HAZELTON R R STATION	//																								.01	.01
HURDSFIELD																									.21	.21
KENMARE																					.06	.07	.04	.03		.20
KRAMER					.19																.55	.05				.79
MANDAN EXP STATION																						.39		.47	.22	1.08

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MC GREGOR RR STATION							.01	.01										.05	.04	.03	.04	.02	.02		.20
NAPOLEON 1 SE																									.02
NORTHGATE																	.01	.04		.05	.05	.01	.09	.05	.30
RAUB //												.03												.07	.10
RICHARDTON ABBEY															.01	.06	.02	.01	.02		.02	.06	.22	.18	.60
RIVERDALE																							.20	.14	.34
ROLETTE					.03																	.08		.01	.12
SARLE5 3 E //	-	-	-	-	-	-	-	-	-	-	-														-
STANLEY																	.04	.01	.04	.01					.10
TROTTER5 GEN STORE										.01	.02	.04	.03	.02	.01	.03	.08	.07	.02	.11	.03		.05	.08	.71
WILLI5TON WB CITY														.01	.01	.01		.12	.01	.12	.05	.04	.07	.08	.52
													—8th—												
AMIDON			.01	.01																					.02
ANTLER	.01	.09	.22	.08			.03	.01	.11	.14	02	.02	.01	.01	.01										.78
BALFOUR	.35	12	04	.01	01																				.53
BEACH	.01	.01	04	.05	01							.01	.01	.02	.03	.03	.01	.03	.04	.02	.05	.06	.02		.45
BEULAH	.09																								.09
BI5MARCK WB AIRPORT	.09																								.09
BREIEN	.01																								.01
CARSON	.01	.01																							.02
CROSBY	.03	.05	.10	.15	.14	.05	.02	.03	.16	.05	.08						.02			.01	.01	.02			.92
DAWSON	.09	.01																							.10
DEVILS LAKE WB CITY			.02																						.02
DICKINSON CAA	.12	.01	.01	.03	.01																				.18
EDGELEY EXP FARM	.10																								.10
FARGO WB AIRPORT //			.01	.01																					.02
FORT YATES	.02																								.02
GLADSTONE 22N	.02	.01		.05	.02																				.10
GLEN ULLIN	.14																								.14
GOLVA 1 S E	-	-	-	-	-	-	-	-	-																-
GRANO //	.05	.28	.10	.01			.01	.03	.08	.07	.01														.64
GRASSY BUTTE	.04	.01	.03	.19	.05	.01	.02	.02	.03	.02	.05	.05	.04	.03	.05	.06	.02								.72
HALLIDAY	.22				.04	.07	.01																		.34
HAYNES 6 NE	.02																								.02
HAZELTON R R STATION //	.04	.01	.01																						.06
HURDSFIELD	.19	.24	.16																						.59
KENMARE	.05	.29	.31					.05	.26	.14	.01	.03	.01	.01			.01							.02	1.19
KRAMER 5 SE	.11	.25	.24	.02				.02	.05	.02															.71
MANDAN EXP STATION	.15	.04																							.19
MC GREGOR RR 5TATION	.02	.08	.05	.14	.01				.11	.08	.05	.03	.03				.01	.06					.01	.04	.72
MELVILLE	.05	.05																							.10
NORTHGATE	.05	.27	.33	.05		.06	.03	.01	.09	.14	.04	.05	.03			.01	.02								1.18
OAKE8		.02																							.02
PETTIBONE	.01	.06	.02																						.09
RAUB //	.20	.13	.08					.05															.01	.04	.51
RICHARDTON ABBEY	.02	.02	.01	.05																					.10
RIVERDALE	.03	.14						.03																	.20
ROLETTE		.02	.48	.05						.04															.59
SARLES 3 E //			.20	.06			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHEYENNE		.27																							.27
STANLEY	.07	.30	.06				.04	.14	.13	.03					.04	.01								.03	.85
TROTTERS GEN STORE	.03	.07	.02									.01	.01				.03	.04	.01	.01		.02	.01	.01	.27
WILLI8TON WB CITY	.08	.12	.09	.02		.16	.20	.19	.15	.01			.01	.02	.02			.01				.01		.01	1.10
													—9th—												
BALFOUR				.01	.02		.01																		.04
BEACH	.01	.01	.04	.01																					.07
BOWMAN COURT HOUSE //										.01	.01														.02
CROSBY	.01	.01																							.02
DEVIL8 LAKE WB CITY				.02			.01				.02	.04	.01		.01					.01					.12
FARGO WB AIRPORT //																					.01				.01
GRANO //	.01	.01	.01																						.03
HALLIDAY		.01	.02																						.03
HURDSFIELD													.01	.04	.01	.02		.05	.01						.14
KENMARE	.02																								.02
KRAMER 5 SE							.02	.01																	.03
MC GREGOR RE STATION	.01																								.01
MELVILLE														.02	.03										.05
PEMBINA CAA //											.03														.03
PETTIBONE														.02	.02	.01									.05
RAUB //	.01	.01	.02																						.04
RIVERDALE	.01	.01	.04	.04																					.10
ROLETTE		.01			.01							.01													.03
STANLEY	.02																								.02
TROTTERS GEN STORE	.01																								.01
WILLISTON WB CITY	.01			.01		.01																			.03
													—10th—												
GOLVA 1 S E										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENMARE								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													—12th—												
AMIDON																							.24	.12	.36
ANTLER									.06	.01	.01														.08
BALFOUR								.16	.17	.02	.01	.01													.37
BEACH	.01	.02																					.99	.10	1.12
BEULAH																									.07
BISMARCK WB AIRPORT									.01																.01
BOWMAN COURT HOUSE //																							.32	.01	.33
CROSBY						.05	.15	.01																	.21
DAWSON										.25															.25
DEVILS LAKE WB CITY										.05	.07														.12
DICKINSON CAA																								.01	.01
EDGELEY EXP FARM								.02	.03																.05
FARGO WB AIRPORT //												.60	.01		.01										.62
GRAND FORK5 CAA //											.04	.06													.10
GRANO //								.08	.20																.28
GRASSY BUTTE																								.31	.31
HALLIDAY						.07																			.07
HURDSFIELD									.22	.05															.27
JAMESTOWN CAA //										1.75	.21		.01												1.97
KENMARE	-	-	-	-	-	-	-	-	-	-	-	-	-												-
KRAMER 5 SE									.05	.04															.09
MC GREGOR RR STATION							.47	.05																	.52
MELVILLE									.21	.40															.61
MINOT CAA //						.05	.14	.06	.20																.45
PETTIBONE									.19	.02															.21
RICHARDTON ABBEY																					.01			.01	.02
ROLETTE										08	.02														.10
SHEYENNE									.18	.11	.01	.01													.31
STANLEY							.40	.04	.01																.45

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
TROTTERS GEN STORE																								.09	.09
WILLISTON WB CITY						1.03	.01																		1.04
—13th—																									
ANTLER															.20	.01									.21
BOWMAN COURT BOUSE //	.01						.01				.01														.03
CARSON	.09	.02																							.11
DEVILS LAKE WB CITY															.21	.14									.35
DICKINSON CAA	.07	.15	.01																						.23
GLADSTONE 22N	.22	.07																							.29
GLEN ULLIN	.03	.39	.06																						.48
GOLVA 1 S E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-
GRASSY BUTTE	.18	.22	.01																						.41
RICHARDTON ABBEY	.09	.19																							.28
TROTTERS GEN STORE	.16																								.16
—14th—																									
AMIDON																							.11	.05	.16
BALFOUR																			.03	.03	.03	.01	.01		.11
BEACH																					.01	.44	.23	.07	.75
BOWMAN COURT BOUSE //																	.01	.02							.03
CROSBY																								.05	.05
DAWSON																				.01	.04	.01			.08
DEVILS LAKE WB CITY																				.01		.01			.02
FORT YATES																.02									.02
GLADSTONE 22N																								.21	.21
GOLVA 1 S E																						.27	.08	.01	.38
GRANO //															.76										.76
GRASSY BUTTE											.12	.08													.20
HALLIDAY																								.27	.27
KENMARE													.07	.12											.19
KRAMER 5 SE																.85	.20	.02	.35	.13					1.55
MINOT CAA //																	.13		.37						.50
PEMBINA CAA //													.49	.01		.22	.02								.74
RICHARDTON ABBEY																								.01	.01
ROLETTE																		.10	.05						.15
SHEYENNE																			.05						.05
TROTTERS GEN STORE																						.05	.25	.05	.35
WILLISTON WB CITY																								.22	.22
—15th—																									
ANTLEB			.02	.02					.15	.21	.01		.04	.10	.01	.02	.02		.01	.01	.01				.63
ASHLEY //					.01	.06										.02									.07
BEACB																									.02
BEULAB					.16	.01																			.17
BISMARCK WB AIRPOBT				.02																					.02
CARSON	.01	.15	.01																						.17
CROSBY	.39	.07	.01																						.47
DEVIL8 LAKE WB CITY											.01			.04					.04	.04	.03	.04	.01		.21
DICKINSON CAA	.08																								.08
FARGO WB AIRPORT //																.01									.01
GLEN ULLIN				.03	.01	.05																			.09
GRAND FORKS CAA //																	.48	.17				.08	.10		.81
GRANO //		.13	.11	.10			.08	.15	.19	.10											.03	.01			.88
HALLIDAY	.13																								.13
HURDSFIELD																						.04	.03	.01	.08
KENMARE			.06					.30						.01	.09			.01	.03	.03					.53
KRAMER 5 SE								.05	.03		.02				.51	.17									.78
MC GREGOB RB STATION	.05	.14	.01																						.20
MELVILLE																						.05	.04	.01	.10
MINOT CAA //			.06	.04				.15		.03								.07	.02	.01					.38
PEMBINA CAA //											.58						.08			.08	.02				.72
RAUB //		.11	.05			.10		.02																	.28
RICHARDTON ABBEY	.01	.03		.01																					.05
BIVERDALE					.02			.10																	.12
BOLETTE																.01	.12								.13
SARLES 3 E //	-	-	-	-	-	-	-	-	-	-	-	.01	.03			.01	.03	.21				.02	.02	.01	-
SHEYENNE																			.33	.02					.40
STANLEY	.01	.05	.05									.05													.16
WILLISTON WB CITY	.29	.15																							.44
—16th—																									
AMIDON																							.02		.02
BEACB																								.01	.01
CROSBY											.05		.03												.26
GRANO //	.01	.01														.02	.12	.04							.02
NORTBGATE					.05	.05	.02					.08	.08	.02											.30
—17th—																									
AMIDON	.02	.02	.04	.01																					.09
ASBLEY //							.11	.01																	.12
BALFOUR												.01	.02	.02						.01	.01			.01	.08
BEACB	.08	.23	.16	.01	.02																				.50
BEULAB					.03	.01							.01			.01					.01			.01	.08
BISMARCK WB AIRPORT					.02	.01	.01		.02																.06
BREIEN			.03	.04																					.07
CABSON	.01	.02	.03																						.08
DAWSON								.02	.02	.01															.05
DEVILS LAKE WB CITY															.01		.05								.06
DICKINSON CAA				.04	.05	.04	.05	.01						.01	.03	.01	.01								.25
EDGELEY EXP FARM	.02	.01																							.03
FORT YATES						.08	.01																		.09
GLADSTONE 22N				.12	.02	.01				.01	.01	.01	.02												.20
GLEN ULLIN				.01	.04	.04	.03																		.12
GOLVA 1 S E	.03	.07	.01	.02																					.13
GRAND FORKS CAA //																								.01	.01
GRANO //										.09	.03	.05	.05												.22
GRASSY BUTTE			.09	.14	.04	.05	.02	.02	.07	.09	.09	.03	.02		.01										.67
HALLIDAY				.04	.04	.01					.01	.03	.01												.14
HAYNES 6 NE	.02	.07	.17																						.28
HAZELTON R R STATION //					.01	.05	.02																		.08
KENMARE										.18	.05	.07	.05												.35
KRAMER 5 SE												.02	.03												.05
MC GREGOR RR STATION									.16	.05	.05	.10	.01												.37
MINOT CAA //									.04	.01	.01					.04									.10
NAPOLEON 1 SE						.01	.06	.01		.01	.01														.10
RAUB //						.05	.06		.02		.02														.15
RICHARDTON ABBEY		.01	.01	.08		.05	.02	.01				.01	.01	.05		.02									.27
RIVERDALE							.07																		.07
ROLETTE												.03		.02											.05
STANLEY								.13	.03	.04	.02														.22
TROTTERS GEN STORE		.04	.10	.02	.05	.01	.01	.03																	.26

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

NORTH DAKOTA
JUNE 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
WILLISTON WB CITY /						.03	.09	.03	.01		.02														.18
—18th—																									
BEULAH	.01	.01																							.02
—19th—																									
BALFOUR																						-	-	-	-
FARGO WB AIRPORT //																							.01	.01	.02
GRAND FORKS CAA //																					.01				.01
PEMBINA CAA //																					.07				.07
—20th—																									
ANTLER																							.05	.01	.08
—21st—																									
ANTLER																			.01	.11	.13				.25
DEVILS LAKE WB CITY								.03																	.03
GRANO //																				.08					.08
NORTHGATE																			.03	.08					.09
PEMBINA CAA //																				.10	.10		.06	.03	.29
ROLETTE			.05																						.05
SARLES 3 E //																							.32	.02	.34
WILLISTON WB CITY																	.02								.02
—22d—																									
ANTLEE														.02	.01	.01									.04
ASHLEY //																			.12						.12
BEACH											.01														.01
EDGELEY EXP FARM																				.13					.13
FARGO WB AIRPORT //																			.15		.13				.28
GRAND FORKS CAA //																	.-/	.01		.12					.60
GRANO //													.01		.01		.03								.05
JAMESTOWN CAA //																				.27	.01				.28
PEMBINA CAA //	.02																								.02
STANLEY					.04																				.04
WILLISTON WB CITY																		.18							.16
—23d—																									
BOWMAN COURT HOUSE //																								.01	.01
EDGELEY EXP FARM																			.02	.02					.04
GLADSTONE 22N																								.01	.01
GLEN ULLIN																						.02	.02		.04
—24th—																									
AMIDON		.02	.23	.09			.01		.01												.01	.08	.06	.09	.60
ASHLEY //								.02	.01														.01	.01	.05
BEACH			.02	.02		.01																.10	.09	.23	.47
BEULAH	.02	.09	.06	.18	.10																	.01	.03	.08	.57
BISMARCK WB AIRPORT				.04	.25	.11	.23					.04													.67
BOWMAN COURT HOUSE //	.01	.06	.17																		.02	.18	.10	.04	.58
BREIEN				.12	.01	.01																	.15	.08	.37
CARSON			.05	.07	.39	.01																	.09	.01	.62
CROSBY				.02	.01																				.03
DAWSON	.01	.01	.01		.01	.15	.04	.12	.05																.40
DEVILS LAKE WB CITY							.08	.12	.05																.25
DICKINSON CAA				.14	.22																			.35	.71
EDGELEY EXP FARM														.47	.01			.32	.28				.05		1.11
FARGO WB AIRPORT //									.03	.07															.10
FORT YATES						.05																		.17	.22
GLADSTONE 22N	.06	.08	.07	.19	.02																			.08	.50
GLEN ULLIN		.04	.18	.14	.02																		.01	.04	.43
GOLVA 1 S E		.03	.07	.14	.04								-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA //									.04	.05	.01	.03	.01		.02	.04	.05					.02			.27
GRASSY BUTTE				.02					.01	.03	.01										.08	1.02	.23	.11	1.51
HALLIDAY		.03	.02	.03	.12	.01	.02	.02														.05	.10	.10	.50
HAYNES 8 NE																						.18	.01	.16	.35
HAZELTON R R STATION //			.01		.01	.10	.08																		.20
HURDSFIELD						.17	.11	.08																	.36
JAMESTOWN CAA //							.03	.05	.02	.05	.09	.01									.10	.02			.37
MANDAN EXP STATION					.50	.15	.13																		.78
MELVILLE						.08	.17	.18	.06	.23	.08	.02	.02	.02	.01										.87
NAPOLEON 1 SE		.02		.04			.05			.01															.22
OAKES									.05	.01															.06
PETTIBONE		.01			.05	.16		.20	.02	.03		.06													.53
RAUB //							.05	.03	.01	.04														.01	.14
RICHARDTON ABBEY			.11	.19		.01	.04															.02	.10	.01	.48
SHEYENNE						.06	.23	.21	.01																.51
TROTTERS GEN STORE									.02	.03			.01									.13	.11	.37	.67
WILLISTON WB CITY																								.05	.05
—25th—																									
AMIDON	.01	.30		.03	.02				.02																.38
ANTLER		.01	.07	.06	.03	.02	.01				.16	.17	.11	.07	.05				.02	.01		.02	.01	.05	.87
ASHLEY //	.01	.06				.03	.02		.33	.06	.01		*	*	*	*	.15								.67
BEACH	.28	.22		.01	.02		.01	.02						.04											.60
BEULAH	.01	.01	.14	.09	.11	.04		.10				.01			.04					.07					.62
BISMARCK WB AIRPORT	.10	.04	.05	.10	.06		.01		.01									.03	.01						.41
BOWMAN COURT HOUSE //	.01		.01	.01	.01	.01																			.05
BREIEN	.02	.32	1.08	.05									.11	.01											1.59
CARSON		.19	.10	.15	.01																				.45
CROSBY	.05	.15	.05	.06	.03	.01	.04	.11	.05	.01	.02	.06	.09	.06	.01										.80
DAWSON		.10		.05	.46	.07	.04						.02	.01		.05	.09	.03	.01						.93
DEVILS LAKE WB CITY	.08	.02	.25	.02		.05	.15	.04	.01		.09	.01			.01	.41	.08							.01	1.23
DICKINSON CAA	.02	.07	.09	.29	.03	.08											.01				.01		.01		.59
EDGELEY EXP FARM		.01	.01																						.02
FARGO WB AIRPORT //								.82						.10		.02									.94
FORT YATES	.07	.30	.18	.03	.53	.01	.01							.07			.01								1.21
GLADSTONE 22N	.10	.08	.02	.05	.10	.04	.14	.12	.02						.02								-	-	-
GLEN ULLIN	.01	.04		.06		.01		.13				.02													.27
GRAND FORKS CAA //	.03			.57	.10	.05	.07	.08	.08	.07	.01	.09	.12	.04				.06							1.37
GRANO //		.12	.18	.04	.01	.12	.01	.03	.04		.34	.07	.03	.01											1.00
GRASSY BUTTE	.36	.19	.19	.35	.12	.08	.01		.01	.01										.08	.22	.02			1.64
HALLIDAY	.05		.04	.09	.12	.06	.01	.15					.01	.11				.07	.05	.01					.77
HAYNES 6 NE		.02	.11	.01	.01	.01																			.16
HAZELTON R R STATION //	.10		.06	.86	.45	.26	.01		.01	.01					.09	.01									1.86
HURDSFIELD		.04	.02	.04	.03	.10	.02			.02			.03	.04	.10	.01		.02	.02	.01					.50
JAMESTOWN CAA //		.03	.20	.04	.61	.22	.13	.10	.02	.13	.06	.24							.06						1.84
KENMARE	.01	.20	.22	.01	.02	.02		.10	.11	.28	.19	.05	.02	.03	.01						.01				1.28
KRAMER 5 SE			.06	.09	.01	.09	.06	.01			.03	.12	.30	.23	.20	.20	.13	.02							1.55

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

NORTH DAKOTA
JUNE 1950

Station		A.M. Hour ending												P.M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MANDAN EXP BTATION		.06	.05	.09	.02	.04				.05				.01	.01	.02		.06								.41
MC GREGOR RR STATION		.01	.20	.20	.03	.08	.04	.02	.08	.06	.04	.05	.04	.11	.04											1.00
MELVILLE			.01	.10	.02	.10	.15		.11		.09		.01			.05		.01	.1B	.01						.84
MINOT CAA	//		.22	.16	.02	.18	.15		.02		.17	.09	.07		.15	.05										1.28
NAPOLEON 1 SE			.40	.10	B4	.B7	.63	.46	.15	.06	.01		.01			.04	.01									3.58
NORTHGATE			.10	.02	.02	.01	.02	.03	.05	.10	.24	.22	.05	.03	.05							.03	.01		.01	.99
OAKES								.09	.05																	.14
PEMBINA CAA	//		.02	.01	.03	.14	.11	.11	.10	.04		.01	.04	.04				.01	.15	.11	.04	.01	.06	.0B	.03	1.14
PETTIBONE		.02	.10	.03	.24	.08	.03	.01	.02	.01	.01				.06		.04	.13	.02			.03				.83
RAUB	//	.15	.16	.15	.01	.09	.14	*	*	*	*	*	.22		.01			.03	.04	.02	.04		.01			1.07
RICHARDTON ABBEY		.01	.07	.16	.08	.12	.03	.02																		.59
RIVERDALE			.01	.01	.02	.01	.20	.07	.03																	.35
ROLETTE				.17	.06	.04	.05	.10	.05			.01	.03		.27	.34	.06		.05	.01	.02	.02	.02	.01	.01	1.32
SARLES 3 E	//				.12	.03	.04	.11	.10	.02	.01			.01		.11	.30	.20	.05		.07	.0B		.09	.10	1.44
SHEYENNE		.01	.05	.02	.04	.12	.15	.03		.01	.05		.01	.01	.14	.25		.02					.01			.92
STANLEY		.30	.30	.19	.20	.14	.04	.03	.12	.22	.31	.05	.01	.02	.01											1.94
TROTTERS GEN STORE		.09	.15	.01		.05						.01			.04											.35
WILLISTON WB CITY		.27	.22	.11	.05	.02	.03	.09	.04			.15	.01	.01			.02	.02	.01		.01	.01				1.07
												—26th—														
DEVILS LAKE WB CITY			.01		.01																					.02
GRAND FORKS CAA	//	.03																								.03
GRASSY BUTTE		.01	.01																							.02
KENMARE									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE																		.07								.07
PEMBINA CAA	//	.03	.04	.06	.04																	.14	.01			.32
PETTIBONE			.02																							.02
RAUB	//			.01					.03																	.04
RICHARDTON ABBEY																								.01		.01
RIVERDALE		.04	.02			.4B	.10	.03	.02	.03	.17	.03		.11	.1B	.06		.14	.03	.07	.02					1.53
ROLETTE		.01	.03																							.04
SARLES 3 E	//	.05	.08	.05																						.18
												—27th—														
ANTLER																	.11	.01								.12
ASHLEY	//																.02									.02
BEACH																			.05							.05
CROSBY															.09											.09
DEVILS LAKE WB CITY																				.07						.07
FARGO WB AIRPORT	//																			.10	.01	.01				.12
GRAND FORKS CAA	//																		.04							.04
GRANO	//																.15									.15
GRASSY BUTTE															.02	.01			.01		.11					.15
MELVILLE																					.20					.20
NORTHGATE															.15	.10										.25
OAKES																					.04					.04
PEMBINA CAA	//																	.33	.02							.35
PETTIBONE																				.07						.07
RAUB	//																	.06								.06
RICHARDTON ABBEY		.01																			.13	.08				.22
RIVERDALE									.01	.01	.01	.01														.04
SARLES 3 E	//														*	*	*	.25								.25
SHEYENNE																			.02	.03						.05
TROTTERS GEN STORE																								.02		.02
												—28th—														
BEACH																				.05						.05
GRAND FORKS CAA																	.01									.01
OAKES											.06															.08
												—29th—														
DEVILS LAKE WB CITY																		.01								.01
FARGO WB AIRPORT	//													.01	.01											.02
GRAND FORKS CAA	//																		.02							.02
RAUB																	.0B									.08
												—30th—														
AMIDON												.04		.01		.0B										.13
ANTLER																			.33	.12			.01			.46
BALFOUR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEACE										.02	.07															.09
BOWMAN COURT HOUSE	//											.02														.02
CROSBY																							.01	.01		.02
DAWSON																						.04	.14	.01		.19
DEVILS LAKE WB CITY																			.01							.01
DICKINSON CAA															.01	.02			.01							.04
ESMOND		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT	//																				.02	.01	.03	.02		.0B
GLADSTONE 22N		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLVA 1 S E		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO																					.10	.02				.12
GRASSY BUTTE									.01	.02								.08								.11
HALLIDAY																				.04						.04
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAYNES 6 NE												.01	.01	.01	.01	.01	.12	.02								.19
HURDSFIELD																				.43	.02	.12	.02			.59
JAMESTOWN CAA	//																							.04		.04
KENMARE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE																	.15	.12			.03					.30
MINOT CAA	//																	.05			.13	.07				.25
MOTT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA CAA	//																	.02					.03			.05
RICHARDTON ABBEY												.10														.10
TROTTERS GEN STORE								.03	.02																	.05
WAHPETON POWER PLANT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY										.05																.05

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

July 1949 to June 1950

Station	July	August	September	October	November	December	January	February	March	April	May	June	Season
Adams 7 S				-	-	12.0	12.6	.5	10.9	11.5	13.0	T	-
Alexander R R Sta				1.8	T	-	-	4.8	14.5	10.4	4.0		-
Almont 7 6W			.3	2.8	T	-	-	7.6	-	9.7	18.7		-
Alpha 1 S			T	-	T	-	-	7.5	20.3	6.1	6.0		-
Amenia	-			T	4.0	9.0	27.0	2.0	12.0	4.4	T	T	-
Amidon	T	T	T	-	T	1.5	2.2	4.3	12.1	10.1	13.0		-
Arvilla State Park					3.8	11.0	-	-	-	-	-		-
Ashley		-		T	T	-	20.5	5.0	-	7.7	12.0		-
Baldhill Dam	T	.3		-	-	-	9.6	.5	8.3	-	-		-
Beach	T			6.0	T	4.0	3.5	8.6	9.1	7.9	7.2	T	46.3
Belcourt Indian Ree		T		.7	-	-	7.4	1.5	1.9	7.7	12.5		-
Belfield				-	-	-	-	7.0	-	8.1		T	-
Beulah		T		1.7	1.1	2.8	13.8	3.5	15.9	5.5	4.4		48.7
Bisbee				-	3.8	5.0	-	T	2.0	5.0	6.2		-
Bismarck WB City				.7	1.3	7.5	16.5	8.6	28.7	8.5	10.2		82.0
Bismarck WB Airport		T		.6	2.2	6.8	16.9	9.0	29.7	11.3	10.3		86.8
Bottineau				1.0	4.7	5.0	7.7	2.8	1:0	12.7	13.0		47.9
Bottineau State Park				-	2.0	14.0	-	-	-	-	-	-	-
Bowbells R R Station				-	T	-	-	6.2	-	-	-		-
Bowman Court House	T	T		-	T	-	-	-	-	T	-	-	-
Butte	-	-	-	-	-	-	10.0	-	-	T	5.0		-
Carrington				-	4.0	-	35.4	1.2	17.0	6.0	17.0		-
Carson 2 SW	T			-	.5	8.4		9.0	24.5	10.0	8.0		-
Cavalier Power Plant				T	4.1	22.6	15.6	2.8	16.8	14.5	4.0	-	-
Center				-	1.1	-	14.0	4.6	27.0	5.0	14.0	T	-
Colgate				-	-	-	20.0	2.0	11.5	-	-		-
Cooperstown	T			-	7.0	-	-	2.0	6.0	1.2		T	-
Courtenay	T			T	3.5	17.5	28.0	.5	12.5	11.3	19.0	T	92.3
Crosby		T		9.5	1.0	12.5	7.4	5.5	3.0	8.0	6.3		53.2
Devils Lake WB City				1.1	5.4	20.1	15.8	1.6	12.8	18.9	12.7		88.4
Dickinson CAA	T		T	2.4	T	2.0	8.6	5.6	13.9	9.9	9.5		51.9
Dickinson Exp Sta				3.5	.1	2.0	10.9	6.1	19.4	8.9	12.8		63.7
Drake				1.7	-	-	-	3.2	-				-
Dunn Center				1.5	T	3.0	-	4.9	19.0	11.3	-		-
Dunseith St Sanitarium	-	T		T	-	5.2	-	4.0	5.4	14.1	-	T	-
Eckman				3.5	4.0	6.4	9.9	5.0	2.3	6.5	16.4		54.0
Edgeley Exp Farm				-	-	-	-	3.8	-	T	-		-
Edmore 1 W				-	4.0	12.0	17.5	1.0	16.0	17.0	5.0	T	-
Elbowoods	T			2.0	-	2.0	14.5	6.0	8.3	8.0	-	T	-
Ellendale	T			-	.8	4.6	16.0	1.5	7.3	7.5	3.5		-
Epping				-	T	.5	-	-	-	-			-
Fairfield 9 N				3.8	.7	2.0	6.9	4.6	7.4	12.1	8.4	T	45.9
Fargo WB Airport				T	5.3	10.8	14.9	2.5	10.2	12.4	1.0	T	57.1
Feseenden				3.3	-	-	-	-	-	-	8.0		-
Flasher	-			-	-	-	12.4	8.5	24.0	13.5			-
Forman				.4	3.5	-	15.9	.5	7.8	4.1			-
Fort Yates		-		-	T	-	-	11.3	12.0	8.6	6.0		-
Foxholm Wildlife Bsf				3.3	1.0	6.1	13.7	7.0	15.0	16.5	-		-
Fryburg	-	-	-	-	-	-	6.5	2.3	7.3	5.2	11.0		-
Fullerton				.5	.8	7.7	25.3	3.4	10.6	9.9	4.5	T	82.7
Gackle				-	2.0	11.0	23.1	5.0	16.0	6.0	16.0		-
Garrison				3.0	-	-	-	3.8	15.8	8.3	7.0		-
Grafton State School	T		-	-	-	-	19.6	1.0	11.9	11.5			-
Grand Forks CAA				.5	2.7	12.1	16.5	1.2	9.8	17.0	2.3	T	62.1
Grand Forks Univ				.8	2.8	13.3	19.3	1.4	10.5	16.7	4.6	T	69.4
Granville	T			.8	2.0	8.0	11.5	-	4.5	8.6	11.0		-
Grenora				2.0	T		3.2	.3	3.0	9.5	-		-
Halliday			T	1.5	T	4.2	12.8	5.6	17.8	2.7	5.6		50.0
Hankinson R R Sta				-	-	-	23.3	.5	-	7.0	.5		-
Hannah			-	3.0	6.8	-	-	1.8	4.8	7.0	9.0		-
Hansboro				4.0	5.0	11.1	8.3	2.6	-	15.4	5.5	T	-
Harvey Water Works	T	-		.7	2.5	6.3	7.5	3.0	9.0	10.5	14.5	T	-
Hettinger	-	-		-	-	-	-	-	-	1.3	13.1	T	-
Hillsboro	T			T	-	-	-	-	-	11.8	2.0		-
Jamestown CAA	T			.7	3.7	21.3	30.4	2.9	18.2	13.8	13.0	T	103.8
Jamestown State Hosp	T			T	3.0	12.0	-	T	7.5	10.6	7.0		-
Kenmare				-	1.5	-	-	-	-	-			-
Kensal Wildlife Ref				-	3.5	10.7	16.3	1.0	9.2	9.0	9.5	T	-
La Moure				-	2.6	-	-	1.1	-	3.8	-	T	-
Langdon Exp Farm				2.9	4.0	-	19.1	3.9	22.0	15.6	8.8	T	-
Larimore		T		.5	-	6.6	18.0	2.2	-	11.0	-		-
Leeds				3.3	-	19.0	19.6	2.3	15.9	14.4	18.0		-
Linton	T			-		-	8.2	4.8	6.1	9.0	6.0		-
Liebon					-	-	-	-	-	-	-		-
Maddock Agr School		-	-	-	-	-	-	-	-	2.1		T	-
Mandan Exp Station	T			.7	.5	5.9	16.1	6.2	20.5	14.7	6.7		71.3
Mandan Ft Lincoln				.4	-	-	-	8.5	25.3	.5	-	T	-
Marmarth	T		.2	8.0	T	18.4	5.7	9.3	17.7	6.5	5.3	T	71.1
Martin	-	-	-	-	-	-	-	2.5	6.6	6.0	-		-
Max				-	.3	9.5	15.0	5.0	18.5	12.5	13.0		-
Mayville				.1	3.2	5.9	20.4	3.2	14.5	16.2	7.5	T	71.0
Mc Clusky		T		-	-	-	-	3.5	26.0	-			-
Mc Henry 5 N	T			T	3.7	11.2	14.5	-	6.0	11.5	10.0	T	-
Mc Leod 3 E			-	.5	-	-	18.1	.3	21.7	-	-	T	-
Mc Ville				-	4.5	20.0	11.6	.5	-	11.0	7.1		-
Medina 1 W				-	-	8.0	13.5	3.5	8.3	11.5	17.0		-
Medora State Park			-	-	T	4.4	-	-	-	-	-	-	-
Medora T B N M P		T		4.5	T	4.9	8.2	5.6	11.6	3.7	6.0		44.5
Minot CAA				2.3	1.0	14.3	14.6	5.0	16.6	27.9	18.3	T	100.0
Minot Exp Farm	T			2.0	-	8.6	-	1.3	9.6	14.8	7.7	T	-
Moffit R R Station		T		T	.4	9.8	17.6	7.8	12.0	8.0	13.0		68.6
Mohall				-	-	7.6	-	5.3	6.8	23.1	11.0	T	-
Montpelier				-	2.5	10.2	12.5	1.6	4.9	8.0	11.8		-
Mott	T			-	-	5.5	11.5	9.8	19.8	-	15.0	T	-
Munich 4 SW				1.5	2.4	8.5	16.0	2.3	5.5	5.5	1.0		42.7
Napoleon 1 SE				.8	1.5	9.4	17.7	6.1	17.8	7.2	12.0		72.5
New England	T			5.2	-	3.0	12.5	12.9	29.0	4.7	19.3		-
New Rockford	-	-	-	-	-	12.3	12.9	3.0	13.2	20.0	25.0	T	-
New Rockford 8 NW			-	1.0	4.1	5.5	20.5	2.3	7.8	10.5	11.0	T	-
New Salem 1 S			T	1.6	.4	-	15.1	8.0	38.3	-	13.8		-

See reference notes following Station Index

MONTHLY AND SEASONAL SNOWFALL

Continued

July 1949 to June 1950

Station	July	August	September	October	November	December	January	February	March	April	May	June	Season
Oakee		-		-	-	-	-	-	-	7.7	-		-
Park River	T			-	-	11.5	13.2	.7	15.5	16.1	-		-
Parshall	T	-		-	T	-	14.0	4.0	6.5	3.6	6.0	T	-
Pembina CAA				1.3	3.4	7.6	8.8	3.7	9.0	10.6	4.1	T	48.5
Peterehurg				.5	2.0	15.9	-	1.5	-	9.5	15.4	-	-
Pettibone	T			-	2.0	-	-	3.6	23.9	11.7	30.5		-
Portal				9.0	2.0	10.0	-	-	-	2.0	22.0		-
Pretty Rock	T	T	T	3.5	.2	-	17.3	14.0	38.5	-	6.0	T	-
Reeder 14 N	-	-	T	-	-	T	-	5.5	28.0	-	6.5		-
Richardton Abbey	T	T	T	2.6	.1	4.9	12.5	5.6	30.9	10.5	17.1	T	84.2
Riverdale				-	-	-	-	-	-	-	-		-
Rolla	T	T		3.7	5.0	6.8	14.6	2.2	6.4	8.0	16.0	T	62.7
Rugby				4.3	7.0	11.8	16.9	5.5	8.0	19.0	-		-
Ryder			-	-	-	-	-	-	-	-			-
Sanish				-	T	-	-	-	-	T			-
Selfridge	-		T	-	T	-	14.5	20.5	37.7	9.5	39.0		-
Sharon	T	T		1.0	-	8.5	-	1.3	14.5	15.0	11.0		-
Sherwood				2.5	2.4	5.8	6.7	5.0	8.2	13.8	7.3		49.7
Stanley				4.0	2.0	-	16.0	5.5	8.0	13.0	22.0		-
Steele	T			-	1.0	7.1	24.6	6.5	23.1	11.5	15.5	T	-
Tagus		T	T	3.1	1.5	7.8	6.8	2.8	15.3	18.1	12.1		67.5
Tioga				-	1.0	10.0	11.0	3.0	6.0	9.6	-		-
Towner				-	-	12.5	20.0	5.5	3.0	23.0	25.0		-
Trotters	T		T	4.0	.4	1.7	9.2	-	-	2.6	T		-
Turtle Lake	T			-	T	-	-	-	-	-	4.0	-	-
Tuttle 8 SW				-	1.0	-	-	7.4	15.8	9.4	11.0	-	-
Underwood 12 W		T		-	-	7.0	17.0	5.0	15.7	10.0	-		-
Upham Wildlife Ref				2.0	8.7	12.0	14.7	7.4	.7	13.0	7.0	T	63.5
Valley City				-	-	-	25.5	1.5	6.5	5.0		T	-
Van Hook				1.2	.5	4.0	10.2	2.3	3.0	11.2	12.0		44.4
Velva		T		1.5	1.2	10.2	14.0	3.5	9.3	12.0	8.0	T	59.7
Verona				-	-	5.0	-	1.2	-	-			-
Wahpeton State School		T		T	5.0	3.0	21.5	1.4	7.5	12.0	T		50.4
Waehburn				.3	2.0	5.0	19.4	4.0	22.5	17.0	20.0		90.2
Watford City				2.1	.4	7.2	15.5	4.2	-	15.0	10.0		-
Weethope				-	6.0	-	18.0	9.0	4.0	17.5	6.5		-
Wildrose				-	-	-	-	3.9	6.3	7.0	6.0	T	-
Willieton WB City			T	.8	T	6.3	14.2	6.4	11.8	9.4	7.3	T	56.0
Willow City	-			-	7.7	-	13.0	4.0	1.7	8.0	7.0		-
Wilton R R Station				1.2	5.0	5.4	-	5.0	-	9.0	5.7		-
Wishek				-	-	6.8	-	8.3	14.3	5.3	-		-

See reference notes following Station Index.

Table 5

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7SW	MAX	74	62	75	84	86	90	70	53	93	77	84	84	82	87	78	66	55	99	77	80	91	93	81	65	63	72	79	69	76	78		75.1
	MIN	42	41	39	47	55	50	45	40	38	47	51	61	55	90	58	47	47	43	47	50	55	59	49	54	50	45	45	50	47	49		49.9
AMENIA	MAX	69	70	72	94	97	99	90	74	62	90	95	78	84	86	95	65	63	72	83	78	92	97	84	75	92	71	81	69	77	79		78.4
	MIN	46	54	37	56	57	53	55	55	48	44	49	53	57	60	59	49	43	50	50	50	52	62	59	55	45	51	52	50	51	49		51.5
AMIDON	MAX	71	69	82	84	84	86	79	55	64	77	85	84	83	85	83	71	82	75	75	82	92	92	79	75	69	71	79	75	78	79		77.4
	MIN	31	38	49	51	50	49	42	41	34	48	44	50	49	51	53	44	45	51	41	50	56	55	45	51	49	43	51	45	59	52		47.1
ARVILLA STATE PARK	MAX	73	75	74	89	77	93	88	74	67	80	99	95	94	91	93	67	97	73	92	78	95	93	91	79	60	73	92	70	75	91		78.8
	MIN																																
ASHLEY	MAX	74	91	71	90	90	98	95	71	65	80	94	89	97	87	95	70	65	69	79	79	91	95	84	83	72	70	92	89	77	78		78.9
	MIN	42	42	30	42	52	51	50	50	35	44	49	90	58	61	63	48	45	48	43	50	47	82	54	59	50	47	50	48	45	44		49.9
BALDHILL DAM	MAX	69	75	58	72	83	87	98	75	70	62	82	94	74	94	85	88	63	63	72	82	82	93	96	83	59	71	71	81	99	77		79.9
	MIN	44	41	44	48	51	50	48	53	40	39	42	57	54	58	91	45	42	49	49	46	63	58	51	52	51	47	52	48	45	43		48.9
BEACH	MAX	68	62	73	83	94	83	87	45	83	74	88	86	78	95	76	85	63	65	75	90	90	82	77	73	93	70	76	99	76	79		73.9
	MIN	39	39	35	44	49	55	44	34	34	39	53	59	52	58	54	45	49	47	43	51	56	57	48	54	50	43	50	46	44	51		47.4
BELCOURT INDIAN RES	MAX	60	59	74	94	79	83	74	55	58	74	80	93	91	93	66	61	59	70	78	63	90	80	73	68	59	71	75	67	73	75		71.3
	MIN	35	34	29	49	58	46	39	42	35	47	41	57	52	48	47	40	38	33	52	40	40	57	47	45	48	45	47	43	51	42		44.1
BELFIELD	MAX	70	71	73	91	92	96	67	45	91	75	77	86	81	87	88	68	54	68	76	78	90	78	80	65	63	73	79	77	78	79		74.5
	MIN	35	33	32	41	48	42	42	35	34	38	47	48	53	52	51	51	44	43	41	54	53	45	45	45	49	43	39	42	44			44.0
BISBEE	MAX	68	54	77	87	90	95	73	59	55	75		94	94	96	60	63	82	72	90	64	85	84		75	60	72	74		74	79		73.0
	MIN	40	35	29	49	55	42	49	47	49	49		46	54	51	51	44	42	42	49	41	51	57		48	49	47	58		47	45		49.7
BISMARCK WB CITY	MAX	75	68	76	82	89	93	86	54	83	78	85	87	99	89	83	67	91	99	90	80	92	88	83	92	63	78	92	79	79	78		78.4
	MIN	47	44	34	50	54	59	48	47	39	47	57	94	93	93	60	54	51	49	48	53	51	69	52	56	53	49	55	52	50	49		52.0
BISMARCK WB AIRPORT	MAX	77	93	77	95	91	94	66	56	66	80	97	88	87	90	95	89	61	72	82	84	95	92	85	98	63	75	84	71	80	82		78.5
	MIN	45	41	33	49	50	53	50	42	42	49	48	64	60	62	53	50	48	49	46	53	50	60	52	56	53	49	52	49	46	49		49.9
BOTTINEAU	MAX	65	52	59	84	75	82	58	55	54	74	81	92	81	86	72	63	63	77	75	77	82	76	76	98	91	71	75	69	79	74		71.3
	MIN	38	34	28	48	48	43	45	45	37	43	49	59	57	55	50	40	41	42	40	44	46	47	54	46	48	48	47	47	47	47		45.4
BOWBELLS RR STATION	MAX	69	61	79	96	78	75	66	49	60	90	95	93	92	95	69	62	62	73	79	71	91	79	75	62	56	75	78	78	79	99		73.6
	MIN	44	35	30	50	45	57	43	39	37	43	47	59	58	52	47	39	46	35	55	49	53	58	56	38	35	39	49	49	49	53		49.2
BOWMAN COURT HOUSE	MAX	69	63	89	91	94	99		49	95	74	85	95	93	94	94	70	67	95	73	81	91	88	78	79	63	71	74	73	73	78		75.2
	MIN	37	39	35	42	50	53	44	39	35	40	48	55	53	55	55	45	49	49	40	52	53	57	45	52	51	46	50	45	43	50		49.7
BUTTE	MAX	73	97	94	99	99	75	89	54	59	79	95	91	86	96	90	65	82	70	82	78	92	96	79	76	82	73	91	69	77	79		76.1
	MIN	44	39	49	55	54	45	45	45	39	49	50	69	90	74	92	46	47	47	59	46	54	90	53	52	49	49	53	49	52	57		51.9
CARRINGTON	MAX	77	77	57	75	84	97	86	72	72	91	80	85	78	92	88	85	65	59	72	81	65	94	91	81	59	64	73	82	70	79		78.0
	MIN	40	39	31	44	56	50	49	59	46	41	47	57	57	49	62	49	45	48	50	47	52	57	55	54	50	49	52	49	50	49		49.2
CARSON 2 SW	MAX	73	63	76	94	99	92	80	55	64	77	85	95	93	90	90	76	55	70	75	94	93	86	83	74	67	70	80	70	72	79		76.9
	MIN	39	39	32	44	49	51	45	40	39	41	50	59	53	62	59	46	46	44	46	42	52	57	50	53	50	44	46	51	48	50		47.5
CENTER	MAX	72	70	76	93	97	91	75	54	60	76	83	84	84	88	90	66	62	70	88	85	91	80	90	75	62	71	80	72	76	79		79.7
	MIN	36	36	26	49	50	54	31	43	34	42	45	59	59	58	54	49	49	48	51	49	46	59	54	53	50	49	45	46	44	43		46.7
COOPERSTOWN	MAX	91	70	73	83	94	95	90	97	65	79	87	93	85	89	94	69	65	70	90	90	91	97	81	79	61	71	80	70	75	77		78.7
	MIN	97	42	34	51	57	52	47	55	43	44	48	59	55	59	59	49	44	49	51	45	52	60	59	50	52	59	51	49	49	49		51.0
CROSBY	MAX	63	94	63	79	97	83	71	50	45	94	75	95	93	93	99	64	64	60	73	90	72	91	80	73	65	52	73	72	99	77		71.9
	MIN	46	37	37	46	47	55	43	37	39	43	50	59	58	54	57	40	46	39	45	50	53	59	54	48	49	47	49	50	50	50		47.8
DEVILS LAKE W B CITY	MAX	69	52	75	84	79	89	63	65	54	77	83	81	83	86	75	63	59	69	80	64	89	87	78	63	57	72	90	97	74	90		73.2
	MIN	47	38	34	54	55	53	47	43	40	45	49	57	56	59	49	48	44	49	54	46	54	61	59	52	49	49	53	50	50	50		49.7
DICKINSON CAA	MAX	70	62	74	94	94	98	59	46	63	75	95	95	80	99	77	66	59	66	76	81	92	79	79	62	63	70	77	69	75	76		73.9
	MIN	40	38	35	49	52	54	44	36	37	43	52	60	56	58	50	45	47	46	43	52	55	57	50	53	47	45	52	49	45	51		47.9
DICKINSON EXP STATION	MAX	62	70	63	75	84	85	86	53	47	94	75	87	94	90	99	76	66	56	67	77	81	92	79	79	85	64	71	79	68	79		73.3
	MIN	37	39	35	45	50	48	43	39	36	41	51	61	55	55	57	45	45	45	42	50	53	54	48	53	49	45	49	49	42	45		49.9
DRAKE	MAX			70		97	98	97	76	69	59		86	90	86	86	85	69	69	69	96	68	96	100	89	71	59	72	91	71	77		78.9
	MIN			33		52	54	44	45	39	44		50	59	53	62	46	50	49	58	49	52	60	54	53	50	48	51	50	49	51		50.2
DUNN CENTER	MAX	66	71	62	93	90	95	98	53	49	64	75	86	84	82	87	75	66	56	68	78	79	91	79	77	95	92	71	77	70	76		73.5
	MIN	39	38	30	38	39	43	44	42	39	36	43	50	56	54	59	46	46	44	45	48	48	54	47	52	49	44	47	46	43	49		45.0
DUNSEITH ST SANITARIUM	MAX	94	82	75	95	90	92	74	55	52	74	82	92	82	86	70	63	64	69	76	71	90	77	74	70	62	71	75	67	74	74		72.4
	MIN	45	34	32	51	55	49	42	36	36	47	45	59	59	56	50	41	44	39	53	43	51	57	52	48	46	46	47	47	49	44		49.7
ECKMAN	MAX	65	96	62	78	85	79	81	57	57	59	76	93	92	84	96	71	65	56	70	79	64	89	78	70	73	53	73	79	70	79		72.2
	MIN	44	35	29	51	46	54	44	44	38	43	45	46	57	53	58	42	45	37	51	47	51	54	53	48	50	49	48	49	49	48		49.9
EDGELEY EXP FARM	MAX	79	69	65	92	90	99	82	72	65	79	84	95	87	96	90	79	67	71	82	79	94	99	99	74	70	75	84	75	79	78		90.1
	MIN	45	44	33	52	57	46	51	55	42	47	47	54	57	55	60	48	42	51	45	47	48	54	64	57	55	46	50	42	49	45		49.5
EDMORE 1 W	MAX	68	54	74	94	75	97	72	65	56	74	91	93	81	94	75	65	61	72	91	67	80	86	76	85	61	72	77	67	73	78		73.1
	MIN	40	37	32	51	59	48	44	49	39	41	45	55	55	57	51	45	42	46	56	44	47	58	55	49	49	47	46	50	47	46		47.5
ELBOWOODS	MAX	73	64	77	85	97	99	75	52	58	79	99	94	96	92	76	67	65	70	80	78	94	94	79	68	70	79	79	69	76	74		76.9
	MIN	44	40	31	48	42	52	36	34	39	42	42	67	51	42	46	38	39	45	44	40	44	47	40	45	45	50	50	42	42	49		43.8
ELLENDALE	MAX	77	69	73	94	92	99	96	75	61	80	80	85	97	90	99	94	75	66	70	83	77	94	98	99	75	91	79	88	73	80	92	91.6
	MIN	46	48	35	53	52	49	54	59	41	50	49	59	59	59	80	50	44	51	46	52	48	62	57	58	58	51	49	49	48	53		51.3
EPPING	MAX	69	64	77	86	95	79	68	60	83	77	86	82	81	88	85	65	64	72	92	76	91	85	73	73	65	72	75	70	77	82		75.7
	MIN	39	38	34	47	51	54	44	38	34	43	49	58	59	64	53	42	48	43	46	51	53	59	52	48	48	46	48	43	42	53		47.6
FARGO WB AIRPORT	MAX	76	61	73	95	97	99	82	76	62	91	87	76	94	97	98	65	63	71	84	69	91	97	95	99	74	72	85	70	79	81		78.8
	MIN	49	47	37	56	60	55	59	51	49	49	48	61	55	60	59	49	43	51	49	52	54	61	81	57	59	52	52	51	50	44		52.5
FESSENDEN	MAX	65	70	66	72	85	87	83	63	57	75	78	83	92	93	80	70	61	69	79	77	90	99	77	75	60	70	79	96	75	69		74.3
	MIN	39	39	35	33	40	50	45	50	41	47	50	51	60	62	62	47	49	49	55	49	52	62	56	51	50	49	53	50	54	51		49.3
FORMAN	MAX	75	72	72	78	90	96	82	85	63	79	84	77	85	88	90	72	68	69	82		94	99	87	84	80	90	95	74	80	90		81.0
	MIN	42	46	35	45	50	52	55	60	44	45	47	61	60	59	61	50	52	53	43				59	58	53	52	47	46	46	45		50.8
FORT YATES	MAX	76	91	74	85	90	99	82	95	66	79	87	88	85	90	85	69	68	72	80	99	93	90	89	90	75	74	93	72	79	90		79.8
	MIN	39		30	49	45	54		45		45	49	58	56	59	55	42	45	51	42	54	47	59	53	52	54	47	53	52	43	45		49.9
FOXHOLM WILDLIFE REF	MAX	65	64	75	84	95	91	73	56	60	74	97	97	99	84	64	74	69	70	79	79	92	95	77	74	75	72	75	68	79	78		75.7
	MIN	47	37	29	53	50	55	44	46	46	48	44	40	53	52	49	45	44	41	64	45	48	55	53	59	49	49	50	50	54	47		48.1
FULLERTON	MAX	77	67	73	84	93	99	77	71	93	91	87	87	89	88	99	79	70	72	82	74	95	99	87	77	76	74	94	70	79	81		90.9
	MIN	47	41	34	54	53	50	54	56	43	47	46	56	59	59	59	50	43	51	47	50	47	59	57	57	57	51	51	48	47	45		50.5

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5–Continued

NORTH DAKOTA
JUNE 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GACKLE	MAX	72														95	70	63	68	78	77	92	95	83	80	67	70	80	78	75	75		
	MIN	46															48	45	48	48	49	50	66	53	54	48	54	51	45	48	51		
GARRISON	MAX	71	60	77	83	87	90	59	51	58	78	85	84	85	89	76	66	54	71	81	73	93	83	79	65	56	71	79	89	77	79		74.3
	MIN	44	39	32	48	51	55	44	37	37	44	51	58	60	59	47	46	48	45	48	49	50	59	52	53	47	47	52	46	45	48		48.0
GRAFTON STATE SCHOOL	MAX	71	68	76	90	85	91	85	74	68	80	85	82	84	92	80	67	73	73	83	77	77	95	88	80	61	72	81	68	73	81		78.7
	MIN	39	40	36	57	60	47	47	56	44	44	42	55	55	56	61	46	39	48	59	45	44	57	58	50	58	48	53	50	49	41		49.4
GRAND FORKS CAA	MAX	72	56	75	86	77	94	69	75	59	80	87	77	86	92	82	66	61	72	83	66	81	94	82	80	63	72	82	67	74	78		75.6
	MIN	39	43	37	54	57	51	51	49	46	45	44	56	54	57	52	48	45	49	54	46	48	62	58	52	53	52	50	51	48	47		49.6
GRAND FORKS UNIVEHSITY	MAX	71	68	75	85	79	97	83	75	68	80	85	82	83	90	82	66	64	72	83	72	80	94	81	60	63	70	81	68	74	77		76.9
	MIN	41	42	37	53	58	52	51	50	45	45	45	50	54	59	53	47	46	50	52	45	49	82	57	52	52	50	51	47	50	43		49.7
GRANVILLE	MAX	70	64	79	88	82	84	77	57	61	77	85	83	85		77	65	62		79	67	78	80	77	73	62	73	78	69	78	74		74.5
	MIN	43	35	30	51	48	53	43	40	37	43	46	56	56		50	43	45		53	45	50	58	53	50	48	48	49	48	48	48		47.0
GRENORA	MAX	64	65	78	80	85	78	70	45	60	80	85	83	80	90	78	75	60	80	81	83	85	90	85	52	80	70	74	78	78	80		75.1
	MIN	40	40	38	46	47	48	38	38	40	42	56	51	55	68	50	50	50	56	70	56	55	52	40	40	45	45	50	52	46	55		48.6
HANKINSON R R STATION	MAX	74		70	72	84	90		90	77	64	82	89	89	85	85	93	65	67	71	84	64	95	99	90	82	82	75	87	72	81		80.6
	MIN	50		39	46	57	54	59	65	46	47	56	59	55	60	61	52	42	50	51	51	50	58	64	58	60	52	56	49	49	49		53.3
HANNAH	MAX	65	52	71	84	75	85	73	60	54	74	82	83	79	85	69	62	63	71	78	65	77	83	74	69	82	70	77	68	71	78		71.9
	MIN	38	34	31	55	53	45	42	42	38	43	58	60	51	66	49	42	40	38	52	43	47	59	55	46	48	45	51	45	53	45		47.1
HANSBORO	MAX	66	51			86	85	65	59	53	74	82	82	81	83	67	63	59	72	80	66	78	81	72	64	61	72	77	67	72	77		71.3
	MIN	40	34				44	44	44	36	42	45	59	50	52	48	41	42	37	51	43	47	56	53	45	46	45	50	45	47	45		45.6
HETTINGER	MAX																																
	MIN	36	33	40	53	57	59	45	42	32	41	47	50	47	55	61	46	49	47	41	61	55	49	51	46	52	46	50	47	41	47		47.5
HILLSBORO	MAX	74	61	72	82	84	100	87	76	62	80	86	84	85	87	86	72	60	71	84	82	88	95	83	69	70	78	81	70	78	80		78.8
	MIN	50	42	36	46	50	38	50	51	46	45	46	49	54	58	65	47	48	41	54	44	48	60	57	53	50	42	52	48	49	43		48.7
JAMESTOWN CAA	MAX	74	58	73	83	88	98	72	70	60	80	84	77	85	84	86	66	63	71	80	87	93	94	80	66	69	72	81	70	78	77		76.6
	MIN	48	38	33	53	59	47	51	44	42	44	45	56	56	59	52	48	46	48	50	48	48	59	54	55	53	49	52	47	49	47		49.4
JAMESTOWN STATE HOSP	MAX	76	69	75	85	90	101	89	82	69	81	86	81	86	86	89	71	62	71	83	78	95	97	85	74	69	72	82	68	78	81		80.4
	MIN	48	44	35	55	59	51	56	58	42	46	47	58	58	61	64	49	47	49	50	50	51	60	55	55	54	50	54	49	51	48		51.8
KENMARE	MAX	65	67	63	74	85	86	81	53	50	61	77	85	84	85	85	70	63	65	77	80	70	91	72	75	65	55	73	72	72	80		72.7
	MIN	45	36	34	52	48	56	43	39	36	42	57	57	56	55	58	45	45	38	55	47	53	59	52	47	46	45	50	46	57	52		48.4
KENSAL WILD LIFE REF	MAX	75	68	74	83	88	93	90	65	62	80	82	78	87	86	82	76	62	70	81	79	92	93	83	79	68	74	81	76	70	76		78.4
	MIN	46	41	32	48	51	48	56	48	41	45	41	52	55	55	61	47	40	50	46	47	50	60	50	52	52	49	51	46	45	43		48.2
LA MOURE	MAX	76	70	72	83	91	88	92	76	68	81	89	83	87	86	91	82	67	71	83	81	93	93	88	85	75	73	83	77	82	78		81.7
	MIN	48	48	35	54	55	52	52	59	59	57	56	63	57	56	60	52	49	42	46	49	51	58	56	57	57	51	51	49	48	44		52.3
LANGDON EXP FARM	MAX	67	62	75	74	75	88	83	63	54	77	82	85	84	89	80	64	63	70	80	70	75	82	77	72	64	72	78	67	72	78		74.1
	MIN	35	33	28	52	55	45	42	47	37	42	43	57	52	55	51	44	41	41	56	41	46	58	54	50	42	41	48	44	47	41		45.6
LARIMORE	MAX		68	78	86	81	92	89	74	89	79	88	82	85	89	85	68	66	72	85	81	86	85	74		70	72	68	65	70			78.0
	MIN		42	36	55	59	50	49	58	43	54	44	57	55	56	50	46	46	42	57	45	49	59	55		51	52	49	52	44			50.2
LEEDS	MAX	69	63	81	86	83	91	82	62	56	77	84	85	85	88	73	66	67	72	81	79	91	85	78	65	60	74	80	68	77	79		76.2
	MIN	45	37	32	56	53	52	45	49	38	44	48	55	54	54	50	46	43	49	57	45	56	57	55	50	49	42	53	50	48	46		48.6
LINTON	MAX	75	65	75	84	93	100	86	71	61	82	88	90	90	90	84	75	68	72	81	85	95	83	89	79	70	75	85	74	79	80		81.1
	MIN	48	45	32	48	48	58	54	48	43	43	47	63	60	63	66	50	48	53	40	53	52	65	50	58	54	50	49	49	43	47		50.9
LISBON	MAX	69	77	63	74	84	91	98	80	73	65	83	85	81	86	85	91	68	68	72	84	70	93	99	96	91	74	73	84	70	80		80.2
	MIN	48	46	34	42	55	49	54	53	42	46	41	52	58	56	59	50	39	49	44	49	47	57	57	59	55	56	48	48	47	42		49.4
MADDOCK AGH SCHOOL	MAX	69	64	75	83	78	88	83	63	57	77	83	82	85	87	79	85	64	70	81	76	91	88	78	76	61	72	79	88	78	78		76.0
	MIN	46	37	31	49	53	50	45	50	39	43	45	54	56	55	57	46	44	48	55	44	52	58	54	51	50	48	50	47	49	45		48.4
MANDAN EXP STATION	MAX	65	74	60	75	82	87	91	58	54	61	77	84	84	84	87	80	65	59	70	79	80	92	88	82	67	62	72	81	68	78		74.8
	MIN	44	43	32	49	53	52	50	49	40	46	49	61	61	60	63	48	47	50	48	51	48	62	52	55	52	47	51	49	48	47		50.2
MANDAN FT LINCOLN PARK	MAX	77	71	78	85	90	95	88	59	66	82	87	88	87	91	87	75	68	73	82	83	97	95	85	83	60	77	84	77	79	83		81.1
	MIN	43	41	32	50	54	52	44	46	40	45	47	62	60	60	63	49	47	59	43	50	47	60	50	55	52	47	50	48	48	48		49.7
MARMARTH	MAX	72	66	76	84	87	88	73	48	67	76	87	85	84	84	82	65		65	78		92	83	82	73	65	83	80	83	77	81		77.4
	MIN	38	42	33	37	45	53	47	37	36	47	50	57	55	58	55	53		50	39		53	57	47	55	53	45	57	57	42	50		48.1
MAX	MAX	65	69	57	76	85	87	70	51	58	78	81	85	86	90	76	63	59	69	82	74	82	83	72	84	55	72	79	68	76	75		73.9
	MIN	38	39	32	45	52	54	44	36	42	52	51	51	61	69	45	45	46	50	48	51	60	51	51	48	47	51	48	47	50	54		48.6
MAYVILLE	MAX	74	72	75	64	82	97	75	74	71	80	85	80	86	89	84	66	61	71	81	77	90	94	84	80	69	72	80	73	76	78		78.7
	MIN	52	41	35	55	60	52	52	63	45	46	56	55	54	59	62	48	45	50	54	47	49	53	58	58	52	50	53	48	48	44		51.5
MC CLUSKY	MAX	71	66	76	82	87	89	78	57	57	67	85	84	85	86	85	73	63	69	80	78	91	88	79	78	60	71	79	62	75	75		75.6
	MIN	41	38	28	41	50	51	35	38	39	38	48	56	60	61	63	48	49	50	45	50	52	63	50	54	54	48	50	49	47	51		48.2
MC HENRY 5 N	MAX	71	63	73	82	82	91	81	86	58	78	63	77	83	87	80	62	60	68	80	71	90	91	79	73	61	70	80	66	75	77		75.3
	MIN	44	38	30	48	55	49	47	54	41	44	46	55	55	60	59	46	42	48	50	45	47	49	53	50	48	46	50	45	47	46		48.3
MC LEOD 3 E	MAX	76	75	74	76	79	96	85	76	70	84	86	83	85	85	91	75	66	72	84	76	94	97	87	84	70	75	85	75	80	82		80.6
	MIN	48	50	36	40	50	58	50	62	42	45	42	59	58	62	50	49	44	52	81	50	52	62	59	56	51	50	56	47	51	45		51.2
MEDORA T R N M P	MAX	70	65	76	88	86	85	76	44	64	77	87	86	84	87	85	67	66	68	79	83	92	89	80	76	65	72	79	74	78	79		78.0
	MIN	32	41	28	40	38	44	44	39	37	35	50	60	56	56	55	47	49	48	35	50	52	53	49	55	51	46	46	43	37	46		45.4
MINOT CAA	MAX	67	58	77	87	86	85	57	56	60	76	86	81	83	89	73	63	53	71	79	67	91	80	76	62	58	72	77	69	78	74		73.
	MIN	46	37	34	53	51	52	44	37	37	47	51	60	59	57	49	44	47	46	55	47	52	58	56	51	48	48	54	50	50	53		49.
MINOT EXP FARM	MAX	68	64	72	85	85	83	74	54	59	76	85	79	83	87	74	63	62	70	80	77	90	83	77	75	61	71	76	68	76	77		74.
	MIN	45	28	25	38	49	54	33	38	44	45	49	57	59	58	50	45	47	46	53	47	52	55	54	50	48	46	53	46	46	52		47.
MOHALL	MAX	65	54	77	66	61	78	66	53	59	74	84	82	81	85	72	62	60	71	79	68	87	75	72	71	66	72	75	69	77	78		72.
	MIN	45	35	32	52	47	54	44	41	38	44	50	57	58	54	50	39	46	37	57	50	51	57	54	46	48	48	49	47	49	52		47.
MOTT	MAX	70	61	75	64	65	88	72	53	64	76	85	83	81	85	79	65	61	68	76	83	80	83	82	69	68	71	79	68	75	73		75.
	MIN	38	36	32	42	49	48	46	42	37	32	49	57	55	56	61	47	49	44	47	40	52	55	50	53	51	47	51	48	40	47		46.
MUNICH 4SW	MAX	66	60	73	62	75	86	74	60	55	74	82	80	85	86	67	63	60	70	72	65	78	83	74	64	63	72	75	67	72	77		72.
	MIN	41	35	30	49	53	48	44	48	37	40	46	45	54	54	50	44	42	44	55	45	50	57	53	46	46	46	49	45	46	46		46.
NAPOLEON 1SE	MAX	75	64	74	81	88	95	88	70	64	80	85	86	88	88	84	75	63	72	80	82	92	94	84	79	68	74	79	70	78	76		79.
	MIN	44	43	32	48	54	50	41	51	39	45	44	60	48	59	63	48	41	48	47	50	46	65	52	58	52	48	55	47	50	49		49.
NEW ENGLAND	MAX	71	66	76	84	66	86	77	50	63	78	85	85	83	87	83	68	67	67	77	84	93	88	82	78	67	72	80	74	77	76		77.
	MIN	37	39	34	48	46	53	41	38	33	39	46	60	55	54	58	46	48	46	40	52	56	55	50	53	50	45	45	46	39	45		46.

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

NORTH DAKOTA
JUNE 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW SALEM 1 S	MAX	76	60	75	85	87	80	88	55	67	79	80	80	86	80	73	78	80	86	80	82	82	88	84	72	71	76	80	88	72	78		77.8
	MIN	39	38	35	43	46	49	45	38	36	42	48	50	58	60	48	40	43	49	43	49	54	48	50	53	42	45	49	48	47	48		46.2
OAKES	MAX	70	76	63	74	84	83	88	77	72	64	83	86	84	80	89	92	66	69	71	84	75	83	88	88	74	78	76	85	72	81		80.2
	MIN	47	42	35	44	54	58	55	55	42	47	46	58	60	61	61	51	44	48	46	51	50	58	58	61	57	51	48	48	47	47		51.1
PARK RIVER	MAX	71	68	76	86	77	88	85	71	65	80	85	84	85	90	85	65	65	72	83	76	80	81	84	76	62	71	80	68	74	80		77.5
	MIN	40	40	35	57	60	46	48	54	43	47	43	56	57	55	60	46	38	46	80	45	48	58	60	52	51	49	54	50	52	43		48.7
PARSHALL	MAX	70	62	77	84	86	85	73	48	58	77	86	81	83	89	82	64	65	70	81	78	81	80	76	74	60	72	76	68	78	78		75.5
	MIN	41	40	30	42	44	53	44	40	35	42	45	47	55	53	53	45	47	48	47	46	51	55	54	52	48	42	50	46	42	44		46.0
PEMBINA CAA	MAX	67	51	75	86	70	86	65	73	54	78	82	83	80	87	74	65	64	74	78	64	73	91	78	88	58	70	78	68	70	78		72.8
	MIN	37	40	36	53	52	49	47	47	42	47	43	58	54	56	50	45	43	44	48	47	40	58	59	50	48	49	49	48	48	40		47.6
PETTIBONE	MAX	73	66	75	83	88	88	86	64	60	78	85	81	85	86	83	76	61	68	80	75	94	82	83	74	65	72	82	75	76	76		78.0
	MIN	42	41	31	47	53	53	42	45	41	42	44	58	61	58	62	47	43	49	48	47	43	83	52	54	53	48	48	48	47	43		48.5
PORTAL	MAX	62	64	61	78	85	77	72	54	47	58	74	85	84	82	87	63	64	61	71	78	79	87	80	71	85	70	72	72	68	76		71.6
	MIN	42	34	34	51	48	55	42	38	38	43	48	48	58	52	57	38	48	39	53	48	52	56	52	46	48	45	49	45	47	50		48.7
RICHARDTON ABBEY	MAX	71	61	75	84	85	87	71	48	60	78	85	85	82	88	77	68	58	88	78	81	82	83	80	72	82	72	80	68	75	76		75.1
	MIN	40	38	37	46	51	54	46	38	37	45	50	60	55	58	56	44	46	45	42	50	54	57	48	53	47	44	50	48	44	54		47.8
RIVERDALE	MAX	73	61	78	83	87	89	72	52	58	76	85	84	86	88	82	65	60	71	80	78	84	84	78	73	80	71	80	68	77	80		75.7
	MIN	48	41	34	47	55	54	45	41	37	46	48	58	61	58	54	46	48	45	54	49	51	57	56	53	48	48	53	48	50	48		48.5
ROLLA	MAX	64	53	75	85	77	82	56	58	53	74	81	82	81	85	65	61	58	70	77	64	79	78	72	71	88	72	76	87	72	77		71.1
	MIN	40	36	32	48	54	47	41	44	36	47	48	59	54	53	48	42	41	40	53	44	51	57	52	48	47	48	50	47	51	60		47.3
RUGBY	MAX	69	65	77	86	82	85	83	58	56	77	84	83	84	85	81	64	82	74	80	78	89	88	77	78	82	73	80	71	77	77		78.2
	MIN	45	37	32	50	53	53	46	45	38	44	48	52	52	58	57	45	46	48	54	47	55	80	56	52	50	48	52	47	46	50		48.9
SANISH	MAX	70	63	71	76	85	85	85	53	50	60	77	87	85	85	81	73	86	55	71	78	77	94	78	77	65	80	71	76	89	77		73.6
	MIN	37	29	43	41	48	38	41	41	36	41	41	50	56	58	58	46	46	46	46	42	48	54	54	55	53	45	44	45	38	45		45.5
SHARON	MAX	70	58	72	79	81	92	78	69	58	80	83	78	83	85	80	65	57	70	77	70	86	88	77	72	58	72	77	74	74	74		74.8
	MIN	42	41	34	51	51	51	47	55	43	45	47	58	55	61	60	45	47	48	54	45	50	80	57	50	51	48	52	47	49	46		48.7
STANLEY	MAX	65	61	75	84	83	80	50	48	58	76	85	80	78	88	70	62	53	75	80	75	82	79	75	83	57	70	74	88	78	78		72.1
	MIN	41	36	36	50	47	47	40	39	33	40	47	57	51	54	48	41	46	43	51	47	50	58	53	48	45	46	48	47	47	47		48.1
STEELE	MAX	65	64	74	83	88	84	80	63	61	86	83	86	87	88	81	84	74	69	78	81	81	87	82	78	86	73	80	68	77	75		78.3
	MIN	43	38	34	44	53	50	45	43	38	44	57	58	60	60	62	44	44	44	46	48	50	60	50	54	52	47	48	46	44	47		48.5
TOWNER	MAX	70	62	78	86	78	78	77	87	68	77	85	82	88	77	87	68	61	81	84	74	93	88	78	74	68	83	78	70	74	78		77.0
	MIN	48	34	28	47	48	47	34	38	40	48	45	44	54	55	42	44	43	43	46	45	52	58	48	49	48	47	48	47	48	45		45.5
UNDERWOOD 12 W	MAX	71	61	80	83	85	70	80	65	70	84	84	85	89	71	67	68	71	74	81	84	83	83	88	62	72	78	88	77	80	78		75.5
	MIN	45	42	28	52	45	45	45	37	45	45	54	57	62	45	47	44	42	49	51	56	54	53	58	50	43	50	48	56	44	54		48.2
UPHAM WILDLIFE REFUGE	MAX	70	64	80	88	81	83	81	56	59	78	83	84	85	81	70	68	87	74	80	73	86	81	75	74	63	74	80	71	77	77		75.8
	MIN	48	35	28	51	48	51	44	44	37	38	48	55	55	57	57	43	47	38	55	47	49	58	52	52	48	47	48	47	47	47		47.5
VALLEY CITY	MAX	75	74	73	85	80	100	87	72	70	82	86	84	85	87	89	82	86	76	83	79	93	92	94	82	72	72	82	81	77	78		82.0
	MIN	48	44	36	54	60	53	54	61	44	44	43	60	58	60	60	48	42	48	48	52	54	55	58	55	53	48	51	51	49	49		51.4
VAN HOOK	MAX	68	64	77	87	86	84	73	48	60	77	87	85	84	90	88	85	65	70	82	78	93	88	77	75	61	72	78	69	77	80		76.3
	MIN	45	40	31	50	47	54	43	40	37	39	50	48	52	53	57	48	47	47	48	48	51	58	58	52	48	48	50	47	43	47		47.5
VELVA	MAX	70	64	78	85	87	85	78	55	60	77	85	84	85	86	78	64	82	71	80	75	80	81	78	74	62	74	77	68	76	75		75.4
	MIN	46	38	33	53	52	54	44	43	38	42	48	58	58	56	53	45	47	48	55	48	51	57	58	51	48	48	52	50	51	51		49.3
WAHPETON STATE SCHOOL	MAX	78	74	70	84	88	100	85	83	74	80	88	85	85	85	90	81	65	70	83	82	82	88	91	87	78	74	85	77	80	80		82.5
	MIN	48	48	38	52	58	50	85	87	46	49	52	58	57	62	64	53	46	52	47	52	55	62	62	58	80	53	51	48	47	43		53.5
WASHBURN	MAX	72	86	78	82	88	85	88	55	80	78	84	83	85	87	83	70	83	71	80	78	91	86	80	77	62	72	80	68	76	78		78.1
	MIN	46	42	34	48	54	58	48	46	38	44	52	61	61	62	63	48	48	50	50	51	52	63	54	55	50	48	54	48	47	50		50.8
WATFORD CITY	MAX	70	65	77	88	85	83	64	45	63	78	86	84	83	89	77	68	59	68	81	79	82	80	77	88	62	73	78	70	78	82		75.1
	MIN	41	37	38	45	48	55	43	35	35	43	48	81	57	55	53	46	48	46	46	51	52	82	51	53	48	45	51	48	44	52		48.0
WESTHOPE	MAX	67	58	78	87	79	83	72	54	62	78	87	84	82	88	69	66	60	73	80	65	87	75	75	86	66	75	77	72	77	75		73.8
	MIN	40	38	34	40	50	50	44	40	38	44	53	58	56	58	49	41	47	43	55	50	52	58	54	48	48	48	51	48	48	51		47.6
WILLISTON WB CITY	MAX	66	64	78	88	83	78	52	43	68	75	87	82	82	88	68	87	57	70	82	77	91	77	75	67	57	72	75	68	78	81		73.0
	MIN	45	43	40	48	51	48	38	37	38	49	52	56	82	55	49	48	50	47	51	54	57	53	53	53	48	48	53	48	48	56		49.3
WILLOW CITY	MAX	88	58	78	88	76	84	64	53	58	77	83	83	85	87	71	74	74	72	78	74	86	80	75	84	81	74	78	68	73	75		74.0
	MIN	45	38	31	51	50	50	49	41	38	44	45	56	56	55	50	43	43	52	58	45	54	56	54	48	48	48	51	48	51	55		48.3
WILTON RR STATION	MAX	64	71	58		81	86	80	55	50	58		83	83	84	84	79	63	80	68	78	78	88	85	80	62	81	72	80	68	78		73.2
	MIN	43	40	34		48	52	43	47	38	41		47	57	58	81	45	46	47	49	47	48	58	48	52	48	45	47	47	48	47		47.7
WISHEK	MAX	85	72	59	73	80	80	85	71	64	64	78	88	84	88	87	85	66	63	67	78	78	90	84	83	72	67	70	82	86	75		76.5
	MIN	43	42	32	47	51	48	49	50	41	43	44	55	57	57	64	48	42	48	41	48	47	54	54	58	55	48	47	47	44	42		48.3

EVAPORATION AND WIND

Table 6

Station		Day of month																													Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Dickinson Exp Sta. a	EVAP	.21	.35	.16	.21	.24	.25	.41	.08	.15	.12	.21	.24	.25	.23	.24	.33	*	*	.32	.16	.21	.27	.29	.31	.25	.16	.18	.26	.23	.22		6.54
	WIND	185	240	190	80	120	100	240	270	330	180	90	190	150	50	130	210	150	130	55	115	90	95	135	125	205	215	70	155	105	85		4485
Mandan Exp Sta. a	EVAP	.23	.34	.19	.18	.20	.25	.35	.34	.23	.15	.11	.24	.18	.16	.17	.36	.24	.09	.14	.21	.14	.27	.29	.32	.16	.16	.15	.22	.26	.23		6.56
	WIND	200	170	182	82	84	125	253	244	316	222	43	160	140	34	94	237	127	90	65	100	71	104	100	136	193	191	94	143	130	121		4251
Riverdale	EVAP	.50	.47	.14	.56	.36	.59	.50	.30	.39	.34	.42	.51	.34	.24	.55	.24	.43	.07	.28	.29	.29	.54	.41	.54	*	.55	.32	.30	.26	.36		11.09
	WIND	209	241	156	161	146	213	233	380	379	240	108	220	152	73	209	184	144	150	90	176	120	132	172	198	202	175	138	120	84	98		5303

a Pan 6 feet in diameter; 24 inches deep; in ground 20 inches.

See reference notes following Station Index.

Table 2

CLIMATOLOGICAL DATA

NORTH DAKOTA
DELAYED DATA

Station	Temperature								Precipitation									
							No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
March 1950																		
MIDDLE DIVISION																		
Hanehoro	16.2	- 4.5	44	4+	-23	2	0	31	.38	- .50	.23	31	6.9	15	1+	2	0	0
WEST DIVISION																		
Almont 7 SW	20.4		49	4	-12	2	0	30	1.40		.54	23	14.3			6	2	0
Bowbells RR Station	13.1	- 8.4												14	1+			
April 1950																		
EAST DIVISION																		
Baldhill Dam	31.0								.58		.28	10	5.3	4	30	7	1	0
May 1950																		
Baldhill Dam	48.1		78	30	24	1	0	11	5.81		1.80	6	6.5	3	2+	15	7	2
Larimore	48.5	- 4.9																

DAILY PRECIPITATION

Table 3

Station	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
February 1950																																
Trotters											T	.01					.04				T		.14	.05								.24
March 1950																																
Almoot 7 SW	T						.08			T							.02	T	T	.19			.54		.04	.53		T				1.10
Bowbells RR Station							.02									.07	.07		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baosboro						T	T							T		T								T		T	.15				.23	.38
Trotters						.06		T	.03	.03				T		.08	.04						.15		*	*	.46		T		T	.85
April 1950																																
Baldhill Dam	T		.01	T						.28									T					.05	.10	.02	.02			.10		.58
May 1950																																
Baldhill Dam		.09	.48	.15	.75	1.80	.40	.12	.30			.02				.06	.30		1.20	.07				.04				T		.03		5.81
Berthold	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					.02		-
Columbus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					.03	.02	-
Flaxton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					.07	.01	-
Killdeer 8 NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	T	-	-	-							-
Lansford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				.04							.13		-
Larimore		.64	.44	.95	1.47	.46	.15	T							.40		T		.74								-	-	-	-	-	-
Lefor 10 E		.30	.50	.10				.34			.10				.03			.04			.02											1.43
Juoe 1950																																
Tuttle 8 SW								.45				.12												.66		.68						1.91

HOURLY PRECIPITATION

Table 4

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
March 1950												- 21	et -												
Breien															.01	.02		.01	.02	.01					.07
												- 23	rd -												
Breien				.01	.07	.04	.09	.04	.05	.07	.05	.05	.03	.07	.08	.05	.05	.04	.03	.01					.83
												- 24	th -												
Breien		.01					.05																		.06
												- 25	th -												
Breien																			.02	.05	.03			.02	.12
												- 26	th -												
Breien		.01	.01			.01		.02	.02	.02	.04	.09	.06	.12	.02	.05	.04	.06	.04						.61
												- 27	th -												
Breien		.02	.04	.05	.04	.01	.01	.02	.01	.01	.03		.01	.01		.03	.02	.03	.01			.02	.03	.01	.02	.43
												- 28	th -												
Breien		.02	.01																						.03
												- 30	th -												
Breien				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
												- 31	st -												
Breien		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 5

DAILY TEMPERATURES

NORTH DAKOTA
DELAYED DATA

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
March 1950																																	
Almont 7 SW	MAX	18	14	37	49	43	46	30	13	16	16	10	17	26	23	35	41	24	15	24	29	40	46	36	38	32	31	29	21	33	38	36	29.2
	MIN	- 3	-12	6	34	32	29	5	- 3	1	2	-10	- 9	- 4	9	9	21	8	5	7	12	17	20	31	28	26	28	21	5	2	19	19	11.5
Bowbells R R Sta.	MAX	28	- 2	21	48		60	46	21	12	13	22		14	18	17	30	30	17		27	34	44	47	40	37								28.4
	MIN	-11	-16	-10	- 1		22	5	-11	-10	-10	-18		-18	- 8	- 4	2	- 5	- 6		-14	6	10	16	18	15								- 2.2
Hansboro	MAX	13	12	24	44	37	32	25	11	13	11	13	15	18	17	32	22	12	23	26	30	42	41	39	38	36	32	30	25	30	44	35	26.5
	MIN	- 9	-23	- 8	15	20	22	- 5	-10	-12	- 8	-17	-11	- 8	1	- 4	10	- 7	- 8	5	11	17	22	24	27	23	28	18	7	8	26	29	5.9
April 1950																																	
Baldhill Dam	MAX	38		40	34	36	40	47	20		30	31	30	23	34		62	62	70	44	44	48	60	60	48	32	30	30	32	36	35		40.6
	MIN	24		21	22	16	22	14	14		19	17	4	4	18		27	26	34	28	23	26	29	34	30	25	20	17	16	24	23		21.4
May 1950																																	
Baldhill Dam	MAX	36	44	36	34	34	33	33	46	38	45	64	72	72	75	70	55	44	54	68	60	66	72	85	83	62	64	70	73	69	78	69	58.2
	MIN	24	29	29	30	30	29	30	31	30	32	37	42	36	41	30	37	39	38	39	38	46	52	58	47	35	37	44	49	47	49	43	38.0
Larimore	MAX	40	40	36	37	35	38	49	48	44	64	63	67	72	68	62	50	49	67	66	65	71	83	84	72	72	68						58.1
	MIN	20	27	32	32	32	32	29	33	34	35	43	42	40	36	30	39	38	39	50	42	45	52	58	49	53	46						38.8

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. Tbers will be no duplication of numbers witbin a state.

Figures and letters following the station nams, such as 12 SSW, indicate distance in miles and direction from tbe postoffice.

Observation times given in the Station Index ars in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for tbe preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listsd in ths tables, are either missing or received too late to be included in tbis issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in iles. Evnporation is measured in the standard Weatber Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

leet and hail were included in snowfall averages in Table 1, beginning witb July 1948.

Amounts in Tabls 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 8, and snowfall data in Tabls 7 are for the 24 hours ending at time of observation. See the Station Indsx for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830.

- No record in Tables 3, 4, 6, 7 and the Station Index. No rscord in Tables 2 and 5 is indicated by no entry. When hourly prscipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
+ And also on a later date or dates.
* Amount included in following measurement, time distribution unknown.
// Gage is equipped with a windshield.
6 Station not equipped with a recording gage. See Table 4 for 8-bourly measured amounts.
B Adjusted to a full month.
E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M One or more days of record missing; see Table 5 for detailed daily record.
R Station equipped with recording gage only.
T Tracs, an amount too small to measure.
V Includes total for previous month.
Z Hourly amounts from a recording gage at tbe same site may be found in Table 4.
8S This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual; $1.50 per year. (Yearly subscription includes the Annual Summary.) Checks, postal notes and money orders sbould be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions sbould be sent to the Weatbsr Records Processing Center, 811 Fidelity Building, Kansas City 6, Missouri.

W.B.O., Kansas City, Mo. -- 9-1-50 -- 1075

CORRECTIONS

March 1950, Table 2, New Salem, Total precipitation should be 3.22, departure 2.52, greatest day 1.70 on the 27th.

Table 3, New Salem, on 27tb should be 1.70 and total 3.22.

Table 4, Pettibone, on 31st at 7P should be .03, 8P .02, 10P .07 and total .12.

April 1950, Table 4, Trotters General Store, on 29th add .01 at 8P, .02 at 9P, .01 at 10P, .01 at 11P, and total of .19. On 30th, hourly amounts should be .01 at 5A, .01 at 7A, .01 at 8A, .01 at 9A, and .01 at 10A. Total of .05 is correct.

Table 7, Mayville, 18th day, snow on ground should be 1.

June 1950, Table 4, Edgeley Exp. Farm, on 30th at 10P .33, 11P .04, and total .37.

Table 4, Pettibone, on 30th at 8P .05, 9P .25, 10P .02, 11P .02, midnight .01, and total .35.

STATION INDEX

Station	Index No.	County	Drainage††	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
ADAMS 7 S	0022	WALSH	10	48 20	98 09			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		9A	ARTHUR J BAUMAN	3
ALMONT 7 SW	0136	MORTON	4	46 43	101 39	2300	7P	7P	BOGAN RAMSLAND	2 3 5 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	B A BURY	3
AMENIA	0196	CASS	11	47 00	97 13	960	SS	SS	VIRGIL L GEBEKE	2 3 5 7
AMIDON	0209	SLOPE	1	46 30	103 19	2910	5P	5P	TOFIBLD ZUNDBL	2 3 4 5
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 58	97 30	960	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	8	46 02	88 22	2025	8A	8A	SOO LINE AGENT	2 3 4 5 7
BALDHILL DAM	0450	BARNES	11	47 02	99 05	1300	9A	8A	F A JOHNSON	2 3 5
BALFOUR	0492	MC HENRY	12	47 57	100 32	1615		MID	RAYMOND E MELLER	3 4
BEACH	0580	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F HODGIN	2 3 4 5 7
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	89 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 5
BELFIELD	0639	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	6	47 16	101 47	1790		7P	KNIFE RIV COAL CO	3 4
BISBEE	0796	TOWNER	2	48 37	99 22	1600	6P	6P	ROBERT J KRICK	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 49	100 49	1870	5P	5P	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 46	100 45	1650	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0941	BOTTINEAU	12	49 50	100 27	1638	4P	4P	M D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0946	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	CLOSED
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1959	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2872	5P	5P	O B BOOK	2 3 4 5
BREIEN	1052	WORTON	1	46 24	100 57	1720		MID	FRANK E POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	101 40	1990	5P	5P	ARNOLF PETERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	SOO LINE AGENT	2 3 5
CARSON	1365	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	49 49	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 19	2100	7P	7P	FRED L HEINZ	2 3 5 7
COLGATE	1696	STEELE	10	47 14	97 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	99 07	1428	5P	5P	R J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		8P	G H HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICHOLS	2 3 4 5 7
DAWSON	2018	KIDDER	8	46 52	89 45	1730		MID	RALPH W WISB	2 3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	48 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	PAUL KUNTZ	2 3 5
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	FRANK R SOMMARS	2 3 5 7
DUNSEITH ST SAMITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE HOSP	2 3 5
ECKMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	6P	N D AGRI EXP STA	2 3 4 5 7
EDMORE 1 W	2525	RAMSEY	2	48 25	98 29	1524	8P	8P	MIKE DAVIS	2 3 5
ELBOWOODS	2570	MC LEAN	B	47 35	102 09	2082	6P	6P	H W CASE	2 3 5 7
ELLENDALE	2605	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GR&SS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T BEACHLER	2 3 5
ESMOND	2767	BENSON	11	48 02	99 46	1650		MID	CLARENCB L JENSEN	3 4
FAIRFIELD 9 N	2809	BILLINGS	7	47 19	103 12	2650		6P	MRS ED1TB LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 49	995	MID	MID	U S WEATBER BUREAU	2 3 4 5 7
FESSENDEN	2949	WELLS	5	47 39	99 37	1610	6P	6P	JOHN V ZUBER	2 3 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1930		8A	GEORGE M SINCLAIR	3
FORMAN	3117	SARGENT	10	46 06	97 38	1249	6P	6P	ART WATERMAN	2 3 5 7
FORT YATES	3207	SIOUX	8	46 08	100 39	1640	SS	SS	STAND RK INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	49 27	101 33	1609	5P	5P	U S WILDLIFE REF	2 3 5
FULLERTON	3297	DICKEY	5	46 10	98 25	1439	6P	6P	F D ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 39	99 09	1951	6P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	9	47 38	101 25	1911	7A	7A	GEORGE J MAHOWALD	2 3 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	LOUIS N GAUER	3 4
GOLVA 1 SE	3556	GOLDEN VALLEY	7	46 47	103 57	278D		MID	ISADORE MANQOLIES	3 4
GRAFTON STATE SCBOOL	3594	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	10	47 56	97 05	934	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	B30	MID	7P	UNIVERSITY OF N D	2 3 5
GRAND	3676	RENVILLE	12	48 37	101 35	1625		MID	ROBERT J DECKER	3 4
GRANVILLE	3696	MC HENRY	12	49 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	8	47 21	102 20	2073		6P	JOHN KISSE	3 4
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	SOO LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 19	98 12	1428		MID	HOMER A BENSON	3 4
HANNAH	3936	CAVALIER	9	49 59	99 41	1570	6P	6P	U S CUSTOMS OFFICE	2 3 5
HANSBORO	3963	TOWNER	9	49 57	99 23	1597	7P	7P	W E DISHER	2 3 5
HARVEY WATER WORKS	4013	WELL9	11	47 45	99 53	1596		6P	H J REYNOLDS	3
HAYNES 6 NE	4073	ADAMS	1	46 01	102 24	2640		MID	BYRON B BOBB	3 4
RAZELTON RR STATION	4083	EMMONS	8	46 29	100 17	1979		MID	EPHRAIN ZACHER	3 4
HETTINGER	4179	ADAMS	3	46 00	102 39	2675	8P	6P	EDWARD B BJORUM	2 3 4 5 7
HILLSBORO	4203	TRAILL	10	47 24	97 04	901	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS H RUTH BUCHWITZ	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	46 55	99 41	1497	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4419	STUTSMAN	5	46 53	99 40	1457	7P	7P	N D STATE BOSPITAL	2 3 5
KENMARE	4646	WARD	12	49 40	102 05	1900	8A	8A	THEO E BCKBERG	2 3 4 5
KENSAL WILDLIFE REFUGE	4725	STUTSMAN	12	47 15	98 42	1440	7P	5P	ART WILDLIFE REF	2 3 5
KRAMER 5 SB	4923	BOTTINEAD	12	49 39	100 37			MID	PAUL A KRETSCBMAN	3 4
LA MOURE	4937	LA MOURE	5	46 21	99 18	1382	7P	7P	ANDREW REWICK	2 3 5
LANGDON EXP FARM	4959	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5 7
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	BLEW PBTERSON	2 3 5
LEEDS	5079	BENSON	2	49 17	88 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 18	100 14	1711	8P	9P	WM BEYERMAN	2 3 5 7
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5 7
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	8P	6P	BENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5479	MORTON	4	46 48	100 54	1750	8A	9A	NO G P FIBLD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	9	47 14	102 46			6P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 19	103 55	2714	6P	6P	S P GRANE	2 3 5 7
MARTIN	5610	SHERIDAN	11	47 50	100 07	1610		6P	JOHN W MAGNUSON	3
MAX	5639	MC LEAN	9	47 49	101 17	2093	7A	7A	SOO LINE AGENT	2 3 5
MAYVILLE	5660	TRAILL	10	47 30	97 19	975	6P	6P	B A RAGAZ	2 3 5 7
MC CLUSKY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A HAMILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	B	49 36	102 56			MID	RARTYIN H HERWANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 38	89 35	1509	8P	9P	C E BLASKY	2 3 5 7
MC LEOD 3 E	5754	RICHLAND	11	46 24	87 14	1075	7P	7P	J G CAHLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1497		6P	H B KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	46 53	99 19			6P	RUDOLPB GRAF	3

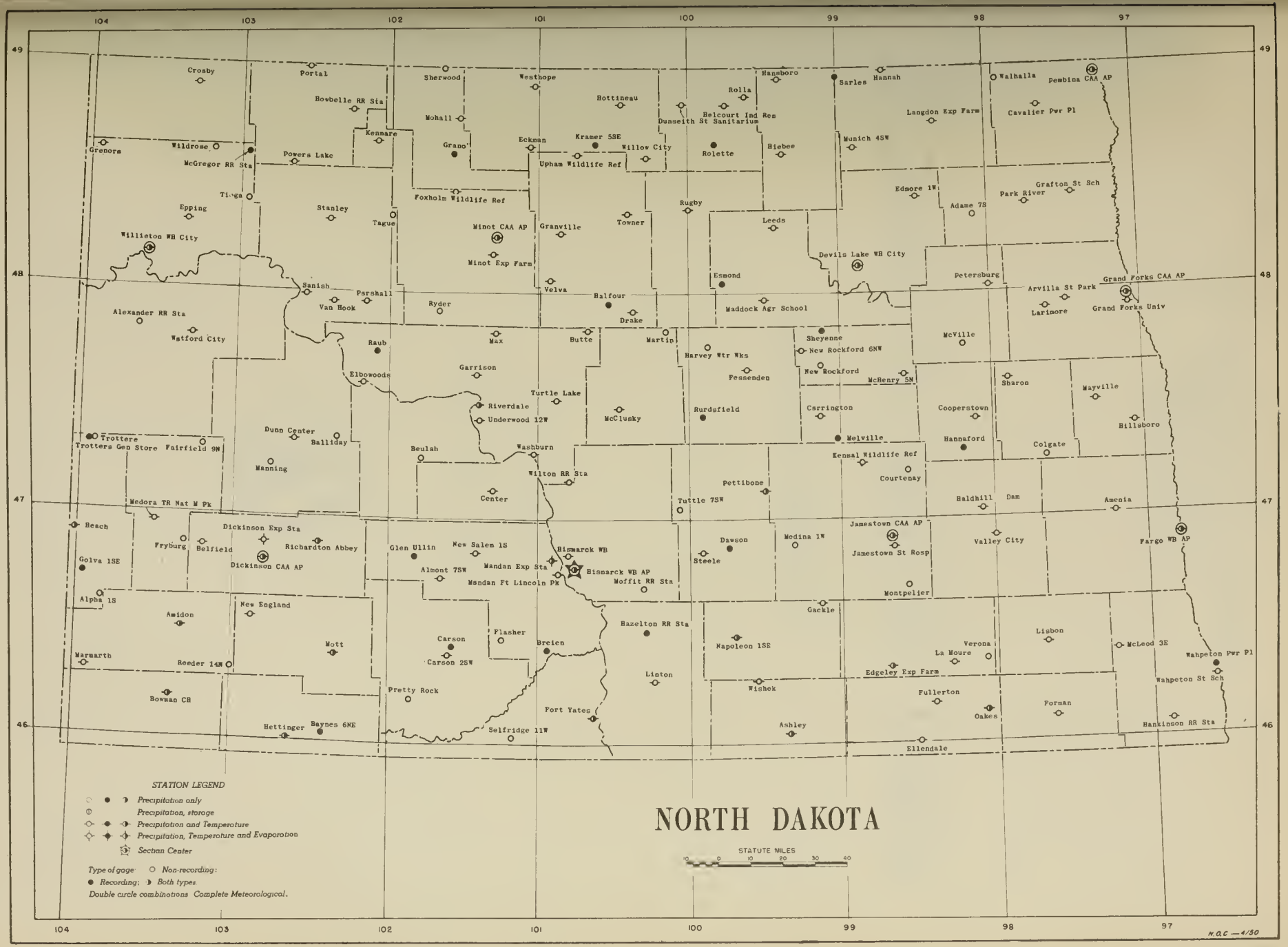
Station	Index No.	County	Drainage††	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
MEDORA STATE PARK	5808	BILLINGS	7	46 55	103 33	2271	5P	5P	PARK SUPT	CLOSED
MEDORA TRNMP	5913	BILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	99 02	1625		MID	EDGAR S STECHEIER	3 4
MINOT CAA AP	5988	WARD	12	48 15	101 17	1724	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720	6P	6P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BURLEIGH	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MORALL	6025	RENVILLE	12	48 49	101 31	1639	8P	9P	IVER JOHNSON	2 3 5 7
MONTPBLIER	6105	STUTSMAN	5	46 42	98 35			9A	ROLF HANSON	3
MOTT	6155	HETTINGER	1	46 23	102 20	2420	SS	SS	FOREST E COFING	2 3 4 5 7
MUNICH 4 SW	6195	CAVALIER	2	48 38	98 53	1598	7P	7P	HAROLD FELDNER	2 3 5
NAPOLEON 1 SB	6255	LOGAN	8	46 29	99 45	1955	7P	7P	GLADYS J PETERSON	2 3 4 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	8A	8A	ADNA S HATCH	2 3 5
NEW ROCKFORD	6350	EDDY	8	47 41	99 08	1555		SS	VALENTINE A RIEDER	3
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	99 15	1550		6P	RICHARD STEINBACH	3
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 5
OAKES	6620	DICKEY	5	46 08	98 05	1320	8A	9A	C M HAGEN	2 3 4 5
OMEMEE 3 SE	6703	BOTTINEAU	12	48 39	100 20			MID	ARTHUR B VOLLMER	CLOSED
PARK RIVER	6857	WALSB	10	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSRALL	6867	MOUNTRAIL	8	47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 5 7
PEMBINA CAA AP	6947	PEMBINA	10	48 57	97 15	782	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
PETERSBURG	7027	NELSON	10	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5 7
PETTIBONE	7047	KIDDER	8	47 07	99 31	1860	7P	7P	L H OETHLOFF	2 3 5 7
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5 7
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
REEDER 14 N	7452	SLOPE	1	46 19	102 57	2860		9A	CHAS M METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	5P	5P	ASSUMPTION ABBEY	2 3 4 5 7
RIVERDALE	7595	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5 6 7
ROLETTE	7655	ROLETTE	12	49 40	99 50	1625	MID	MID	GEORGE F GEBBES	3 4
ROLLA	7664	ROLETTB	9	48 52	99 37	1860	7P	7P	THEO B FAGERLUND	2 3 5 7
RUGBY	7704	PIERCE	12	48 22	100 00	1560	6P	6P	FRANK HORNSTEIN	2 3 5 7
RYDER	7749	WARD	8	47 55	101 40	2108		9A	S C SCHELLENBAUM	3 4
SANISB	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	H J BUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	98 00	1585		MID	CLARENCE J OLSON	3 4
SEARING	7944	MC KINZIE	13	47 34	103 48			MID	CLOSED ---------	12-5-49
SELFRIOGE 11 W	7952	SIOUX	8	46 01	101 10	2183		7P	L E WILSON	3
SHARON	7986	STEBLE	10	47 36	97 54	1516	8P	8P	HUGH LYON	2 3 5 7
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647		6P	U S CUSTOMS SERV	3
SHEYENNB	8057	EDDY	11	47 50	99 07	1500		MID	ALVIN E SODERHOLM	3 4
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2260	7P	7P	LEROY EDWARDS	2 3 4 5 7
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESHER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARD	3
TIDGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST B RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S HAAS	2 3 5
TUTTLE 9 SW	8850	KIDDER	8	47 02	100 04	1936		8P	ADAM LEND	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 28	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPBAW WILDLIFE REFOGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAN BOOK	8970	MOUNTRAIL	8	47 57	102 21	1964	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	9990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5 7
VERONA	9035	LA MOURE	5	46 22	99 04			10A	LOUIS J MANDSON	3
WARPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962		MID	VICTOR OURTON	3 4
WAHPSTON STATE SCBOOL	9100	RICHLAND	10	46 16	96 36	962	5P	5P	ST SCH OF SCIENCB	2 3 5 7
WALHALLA	9155	PEMBINA	9	49 56	97 54	950		7P	PETER PAUL JMANE	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1721	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5 7
WESTBOPE	9333	BOTTINEAU	12	49 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	49 36	103 10	2259		6P	JONATHAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	49 08	103 35	1977	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	9445	BOTTINEAU	12	49 36	100 17	1471	8P	8P	O M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	6	47 09	100 48	2159	9A	8A	SOO LINE AGENT	2 3 5
WISBEK	9515	MC INTOSB	8	46 16	99 34	2010	8A	8A	H W LARSON	2 3 5

NEW STATIONS

Station	Index No.	County	Drainage††	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
FRYBURG	3277	BILLINGS	4	46 53	103 18	2790		7A	HERMAN J MAY	3
TROTTERS GEN STORB	8912	GOLDBN VALLEY	13	47 20	103 54	2420		MID	EUGENE A RUSSELL	3 4
LEFOR 10 B	5089	STARK	4	46 39	102 21	2580		5P	JOSEPH LINK	3
AMBROSB	0199	DIVIDB	12	49 58	103 20	2060		6P	RONALD L HANSON	3
ANTLER	0263	BOTTINEAD	12	48 58	101 20	1540			W H WEGNER	3 4
BERTHOLD	0729	WARD	12	48 19	101 44	2090		6P	JOSEPH S COX	3
COLUMBUS	1696	BURKE	12	48 54	102 47	1930		6P	J D SUNDELL	3
DONNYBROOK	2242	WARD		48 31	101 53	1760		6P	WILLIAM BOWMAN	3
FLAXTON	3019	BURKE		48 54	102 23	1940		9P	PALMER M DUNHAM	3
GLADSTONE 22 N	3446	DUNN		47 11	102 38				RICHARD BAILET	3 4
GRASSY BUTTE	3696	MC KENZIB		47 24	103 14	2660			SAM CHARCHENKO	3 4
RALET	3938	BOWMAN		49 58	103 08				J E CRAWFORD	3 4
KILLDEER 8 NW	4728	DUNN		47 26	102 53	2240		7A	LEONARD J DAVIS	3
LANSFORD	5002	BOTTINEAD		49 38	101 22	1900		6P	C L MC KEBN	3
MARMARTH M D U CD	5575	SLOPE		48 18	103 55	2710			E B JESTNES	3 4
NOONAN	6455	DIVIDE		49 53	103 01	1860		6P	GEORGE KOSTEK	3
NORTHGATE	6535	BURKE		49 00	102 18	1950			U 9 CDSTOMS STATION	3 4
REEDER	7450	ADAMS		46 08	102 57	2810		6P	HENRY A DONNER	3
WAGEBURN WATER WORKS	9205	MC LEAN		47 17	101 02	1730			WASHBURN WATER WORKS	3 4
ZAHL	9635	WILLIAMS		48 34	103 41	2000		6P	OLA SEVERTSEN	3

† DRAINAGE CODE: 1. Cannonball 2. Devils Lake 3. Grand 4 Heart 5 James 6 Knife 7 Little Missouri 8 Missouri 9 Pembina 10 Red 11 Sheyenne 12 Souris 13 Yellowstone

Reference Notes for this issue may be found on Page 101


NORTH DAKOTA
STATION LEGEND
Precipitation only
Precipitation, storage
Precipitation and Temperature
Precipitation, Temperature and Evaporation
Section Center
Type of gage: Non-recording:
Recording: Both types.
Double circle combinations Complete Meteorological.
STATUTE MILES
10 0 10 20 30 40
N.O.C.—4/50
Crosby
Portal
Sherwood
Westhope
Hansboro
Sarles
Hannah
Walhalla
Pembina CAA AP
Bowbelle RR Sta
Hottineau
Rolla
Dunseith St Sanitarium
Belcourt Ind Res
Langdon Exp Farm
Cavalier Pwr Pl
Mohall
Kenmare
Grano
Eckman
Kramer 5SE
Willow City
Rolette
Bisbee
Munich 4SW
Grenora
Wildrose
McGregor RR Sta
Powers Lake
Upham Wildlife Ref
Edmore 1W
Grafton St Sch
Park River
Adams 7S
Tioga
Foxholm Wildlife Ref
Rugby
Epping
Stanley
Tague
Towner
Leeds
Williston WB City
Minot CAA AP
Granville
Minot Exp Farm
Devils Lake WB City
Esmond
Petersburg
Grand Forks CAA AP
Arvilla St Park
Grand Forks Univ
Larimore
Sanish
Parshall
Van Hook
Velva
Halfour
Ryder
Drake
Maddock Agr School
Alexander RR Sta
Watford City
Raub
Max
Butte
Martin
Sheyenne
New Rockford 6NW
McVille
Harvey Wtr Wks
Garrison
Fessenden
New Rockford
McHenry 5N
Sharon
Mayville
Elbowoods
Turtle Lake
Riverdale
Underwood 12W
McClusky
Rurdsfield
Carrington
Cooperstown
Hillsboro
Trottere
Trotters Gen Store
Fairfield 9N
Dunn Center
Balliday
Beulah
Washburn
Melville
Hannaford
Colgate
Kensal Wildlife Ref
Courtenay
Manning
Wilton RR Sta
Pettibone
Center
Tuttle 7SW
Baldhill Dam
Amenia
Medora TR Nat M Pk
Beach
Dickinson Exp Sta
Fryburg
Belfield
Richardton Abbey
Dickinson CAA AP
Glen Ullin
New Salem 1S
Hismarck WB
Bismarck WB AP
Mandan Exp Sta
Mandan Ft Lincoln Pk
Almont 7SW
Moffit RR Sta
Dawson
Steele
Medina 1W
Jamestown CAA AP
Jamestown St Rosp
Valley City
Fargo WB AP
Golva 1SE
Alpha 1S
Montpelier
Gackle
Amidon
New England
Hazelton RR Sta
Flasher
Carson
Breien
Carson 25W
Napoleon 1SE
Lisbon
McLeod 3E
Wahpeton Pwr Pl
Wahpeton St Sch
Marmarth
Reeder 14N
Mott
Verona
La Moure
Edgeley Exp Farm
Linton
Wishek
Fullerton
Forman
Bowman CB
Pretty Rock
Fort Yates
Oakes
Hankinson RR Sta
Hettinger
Baynes 6NE
Selfridge 11W
Ashley
Ellendale
104
103
102
101
100
99
98
97
49
48
47
46

Nat. Hist.

1951

U. S. DEPARTMENT OF COMMERCE
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CLIMATOLOGICAL DATA

NORTH DAKOTA

JULY 1950
Volume LIX No. 7



KANSAS CITY: 1950

NORTH DAKOTA - JULY, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

With no prolonged hot periods, and with generally adequate rainfall in most places, the month of July proved to be quite favorable for the development of a good crop.

The mean temperature for July was 66.1 degrees of 2.9 degrees below normal. The eastern division was 2.7 degrees below normal with a temperature of 66.6 degrees. The middle division with a mean temperature of 65.8 degrees was 3.8 degrees below normal. The western division, below normal by 3.7 degrees, recorded a mean temperature of 66.0 degrees. The warmest period occurred near the end of the month with Grafton recording 100 degrees for the highest temperature in the state on the 29th. At the other end of the scale, Medora recorded 36 degrees for the lowest temperature of the month on the 22nd. Other cold days were the 4th and 13th when most stations had temperatures in the low 40's and upper 30's.

With an average of 1.92 inches of rainfall recorded, the state was .53 inch below normal for July. The eastern division recorded 2.12 inches rainfall for a deficiency of .68 inch. The middle division's average of 2.02 inches was .46 inch below normal, and the western division with its total of 1.62 inches was .47 inch below normal. Rainfall was above normal in the northern one-third of the state and in a small area in the southeast portion. It was below normal in the remaining two-thirds. Hannah recorded the greatest amount with a total of 5.84 inches. The least amount was recorded at Van Hook with a total of 0.35 inch. Less than normal hail fell during the month.

Crops made excellent progress during the month in most areas. Development was most rapid in the southern half of the state due to drier and somewhat warmer weather. The northern part was considerably slower due to abundant rainfall and cooler weather. Due to the lateness of the season, harvesting did not get under way during the month. A few widely scattered reports were received of oats and barley being cut in the southeast and southwest portions. In the north all crops were entirely green at the end of the month but were filling quite well. Lack of rain was felt in many areas especially southeast and southwest and some fields were being damaged. Crops in general were spotty throughout the state and ranged from fair to very good. Relatively little damage was reported from grasshoppers and other insects. Hail damage was slight except for some severe damage in Divide, Ward and Mountrail Counties about the 14th. The hay crop was the best in the northern half of the state but some difficulties were encountered in putting it up due to wet weather. Cattle had ample feed and were in good condition at the end of the month.

Very few severe storms were reported during the month. On the 14th, a tornado was reported in northwestern North Dakota with most extensive damage reported about 8 miles south of Crosby and also in the town of Fortuna in Divide County. Other wind storms moved across northern Mountrail and Ward Counties and into McHenry County. Buildings were damaged and in a few cases destroyed. Hail accompanied the high winds in some areas. Crop losses ranged up to 75 to 100 percent on some farms. Severe electrical storms occurred on the 29th to break a 3 day heat wave. Some stations reported lightning and thunder more severe than they had seen in many years.--CJS

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages --mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismarck WB AP	SSE	13	9.2	36	NW	29	79	84	52	47	6	4	3	1	0	0	14	69	5.5	See Table 2
Devils Lake WB City	-	-	7.2	21	W	13	-	-	-	-	6	9	3	1	0	0	19	59	4.9	
Fargo WB AP	SSE	16	11.5	34	NW	12	79	84	52	51	8	6	2	0	0	0	16	65	5.1	
Williston WB City	-	-	6.7	29	W	11	74	85	52	45	7	6	3	1	1	0	18	82	6.0	

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	68.7	108	31	3.23	0	8
1893	69.5	112	35	2.04	0	7
1894	71.7	107	38	0.63	0	3
1895	66.1	102	29	2.90	0	8
1896	67.5	107	31	1.51	0	6
1897	68.9	109	38	4.43	0	9
1898	67.6	106	28	2.49	0	7
1899	68.3	109	32	2.34	0	6
1900	67.9	107	33	2.25	0	6
1901	70.8	110	40	4.28	0	6
1902	67.6	106	34	2.15	0	5
1903	66.7	109	26	2.23	0	7
1904	64.4	102	34	2.13	0	6
1905	65.6	100	32	3.78	0	8
1906	66.9	102	34	1.56	0	11
1907	65.8	103	31	3.06	0	9
1908	68.6	103	31	1.91	0	6
1909	67.1	99	34	2.73	0	8
1910	70.0	114	33	1.60	0	5
1911	65.1	107	23	1.70	0	6
1912	68.0	106	30	3.66	0	10
1913	65.6	103	35	2.22	0	8
1914	72.1	109	36	2.17	0	6
1915	62.3	97	30	3.13	0	11
1916	73.1	105	33	2.96	0	7
1917	70.9	114	27	1.54	0	7
1918	65.5	102	34	2.73	0	7
1919	71.2	105	37	1.86	0	5
1920	68.3	103	31	2.11	0	7
1921	71.4	110	35	3.07	0	7
1922	65.6	100	30	2.48	0	8
1923	71.2	103	35	3.05	0	8
1924	65.5	99	32	1.93	0	6
1925	66.7	106	29	1.35	0	6
1926	70.3	108	32	2.04	0	7
1927	65.4	97	28	2.84	0	9
1928	67.4	96	38	4.82	0	10
1929	70.6	109	34	1.27	0	5
1930	72.3	107	34	1.04	0	5
1931	70.6	111	37	3.03	0	8
1932	70.0	108	36	1.95	0	7
1933	71.9	109	36	2.00	0	7
1934	71.8	112	29	1.18	0	6
1935	73.8	110	45	4.41	0	10
1936	79.9	121	38	0.70	0	4
1937	71.7	111	40	2.93	0	9
1938	69.7	104	39	3.34	0	9
1939	72.6	108	37	1.81	0	7
1940	71.6	107	37	3.70	0	11
1941	70.8	106	34	1.76	0	8
1942	67.1	97	36	2.43	0	7
1943	70.5	103	41	2.72	0	8
1944	67.6	102	33	1.74	0	6
1945	67.8	102	30	2.31	0	9
1946	70.6	110	34	2.17	0	7
1947	70.4	103	33	1.79	0	6
1948	69.3	108	34	4.04	0	10
1949	69.5	111	30	3.56	0	10
1950	66.1	100	36	1.92	T	10
Period	69.0			2.45	T	

See reference notes following Station Index.

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																			
Amenia	67.2		90	27+	41	2	26	3	0	1.19		.48	3	.0	0		7	2	0
Arvilla State Park			92	29				3	0	3.96		2.26	15	.0	0		13	3	1
Bsldhill Dam	65.4		93	30	38	13		3	0	1.62		1.00	17	.0	0		8	2	1
Carrington	86.0	- 3.4	91	30	45	4		3	0	1.93	- .68	.44	21	.0	0		9	3	0
Cavalier Power Plant	67.3	- 1.7	93	28	40	13	36	2	0	1.35	-1.29	.33	4	.0	0		11	2	0
Cooperstown	68.7	- 2.9	94	29	40	13	40	3	0	1.44	-1.15	.43	31	.0	0		6	3	0
Devils Lake WB City	65.7	- 1.7	92	29	44	13	63	3	0	1.80	- .77	.65	14	T	0		13	2	0
Edgeley Exp Farm	66.7	- 3.2	91	29	45	4+	33	2	0	3.15	.58	.98	2	.0	0		11	4	0
Edmore 1 W	64.3	- 3.2	91	29	38	13	76	2	0	1.58	-1.26	.27	18+	.0	0		13	2	0
Ellendale	67.8	- 3.1	90	28	45	13	19	1	0	3.03	.38	1.20	16	.0	0		13	3	1
Fargo WB AP //	67.9	- .2	94	29	42	13	26	3	0	.42	-3.01	.16	16	.0	0		8	0	0
Forman	67.7	- 2.4	93	29	38	13	24	4	0	2.55	- .33	1.17	3	.0	0		10	3	1
Fullerton	67.8	- 2.4	94	28	43	13	20	4	0	2.63	- .25	.82	28	.0	0		10	4	0
Gackle	86.4M	- 3.6			45	13			0	3.15	.47	.60	1	.0	0		12	7	0
Grafton State School	67.3	- 1.5	100	29	41	13	40	5	0	2.22	- .54	.48	8	T	0		10	4	0
Grand Forks CAA AP //	67.0	- 1.5	92	28+	39	13	42	3	0	1.35	-1.43	.63	14	.0	0		10	2	0
Grand Forks Univ.	66.8	- 1.7	91	29	40	13	37	2	0	1.63	-1.15	.75	15	.0	0		13	1	0
Hankinson R R Sta.	68.3	- 3.1	93	30	45	13		3	0	3.88	1.01	2.58	9	.0	0		6	3	1
Hannah	64.0M	- 2.2	93	29	37	13	95	2	0	5.84	3.41	2.10	30	T	0		13	5	3
Hillsboro	67.3M	- 3.4	92	28+	41	12			0	.96	-1.68	.33	10	.0	0		8	1	0
Jamestown CAA AP //	65.5	- 4.1	90	29	44	13	52	1	0	2.58	- .12	1.17	2	.0	0		13	3	1
Jamestown State Hosp	67.8	- 1.8	93	29	45	13	22	3	0	2.22	- .48	.50	25	.0	0		14	5	0
Kensal Wildlife Ref	66.2		92	27+	42	4+	44	2	0	1.30		.38	16	T	0		9	1	0
La Moure	68.6		91	27+	45	13	18	4	0	.60		.25	16	.0	0		8	1	0
Langdon Exp Farm	64.5	- 1.8	90	28+	37	13	82	2	0	2.99	.49	.76	11	T	0		14	6	0
Larimore			88	27	42	13		0	0	2.94		1.87	15	.0	0		4	3	1
Lisbon	66.2	- 4.2	93	30	42	13		3	0	1.18	-1.72	.32	15	.0	0		8	2	0
Mayville	67.7	- 2.5	92	29	41	13	21	4	0	.71	-2.00	.26	17	.0	0		9	1	0
Mc Henry 5 N	64.6	- 3.5	91	29	40	13	74	2	0	1.46	-1.34	.38	2	.0	0		9	3	0
Mc Leod 3 E	68.1M	- 3.3	92	29	45	4		2	0	2.44	- .41	.90	7	.0	0		9	4	0
Munich 4 SW	63.2		90	29	38	13	102	1	0	2.69		1.11	30	T	0		11	3	1
Oakes	68.0	- 3.7	92	30	43	13		3	0	2.03	- .82	.99	17	.0	0		8	2	0
Park River	66.9	- 1.6	91	28	41	13	35	2	0	2.43	- .18	.97	8	T	0		12	3	0
Pembina CAA AP //	65.0	- 2.8	91	28+	38	13	74	2	0	3.64	1.23	1.10	15	T	0		14	8	1
Petersburg	66.4M		90	29				1	0	.98		.24	15	.0	0		10	0	0
Sharon	66.5	- 4.3	89	29	41	13	42	0	0	1.20	-1.49	.55	18	T	0		7	2	0
Valley City	67.5	- 2.6	95	29	45	13	25	4	0	1.12	-1.60	.80	16	.0	0		5	1	0
Wahpeton State School	68.3	- 2.8	91	29	42	13	20	1	0	2.49	- .46	.72	25	.0	0		10	4	0
DIVISION	66.8	- 2.7								2.12	- .68			T					
MIDDLE DIVISION																			
Ashley //	65.8M	- 3.9			41	13			0	1.55	-1.11	.73	20	.0	0		7	1	0
Belcourt Indian Rss	62.1		90	29	39	13	115	1	0	3.63		1.80	30	.0	0		15	3	1
Bisbee	64.9M	- 2.5	93	29				3	0	2.55	- .15	.75	30	T	0		11	5	0
Bismarck WB City	68.9	- 1.6	92	29	45	13	18	3	0	1.06	-1.22	.58	18	.0	0		9	1	0
Bismarck WB AP	67.9	- 1.5	95	27+	44	13	40	5	0	1.12	-1.12	.63	18	T	0		8	1	0
Bottineau	64.7	- 2.9	91	28+	41	13	76	2	0	2.99	.60	.59	31	.0	0		16	5	0
Butte	86.7	- 3.3	92	30	45	13	52	4	0	1.42	-1.31	.75	20	.0	0		9	2	0
Carson 2 SW	68.7	- 4.1	98	29	42	13+	62	7	0	1.78	- .21	.65	6	.0	0		5	3	0
Center	65.5	- 5.5	92	27+	39	5	66	3	0	1.39	-1.03	.83	18	.0	0		7	1	0
Drake	87.3M	- 4.3	93	30	44	13			0	2.43	.13	.78	21	T	0		9	4	0
Dunseith St. Ssnita	64.1	- 2.9	90	28+	43	13	90	2	0	3.25	.58	1.37	30	.0	0		9	5	1
Eckman	64.9	- 3.1	93	29	43	4+		1	0	2.74	.38	.62	30	.0	0		14	5	0
Fessenden	65.8M	- 3.6	92	27+	46	13		3	0	1.42	-1.15	.60	2	.0	0		8	2	0
Fort Yates	67.4M	- 5.3	92	28+	42	5+		5	0	1.37	- .71	.78	18	.0	0		9	2	0
Foxholm Wildlife Ref	65.8	- 3.9	95	28	43	5	58	3	0	2.38	.45	1.36	15	T	0		14	2	1
Garrison	66.3	- 2.9	95	29	41	4	58	6	0	.83	-1.66	.18	18	T	0		8	0	0
Granville	65.3M	- 3.4	93	28+	43	4		2	0	3.28	1.01	1.00	2	T	0		11	4	1
Hansboro	63.3M	- 3.0	92	29	38	13		2	0			1.73	30	T	0				1
Leeds	66.6		95	29	42	13	47	4	0	3.09		1.17	29	T	0		13	4	1
Linton	68.4	- 4.3	95	28	41	13	29	5	0	1.53	- .60	.41	18	.0	0		10	3	0
Maddock Agr School	65.3	- 3.6	92	27+	42	5+	60	3	0	1.99	- .70	.68	31	T	0		14	4	0
Mandan Exp. Station	66.9	- 5.0	94	30	44	5+		3	0	1.31	-1.00	.75	19	.0	0		7	1	0
Mandan Ft. Lincoln	69.0		95	29	42	13	19	7	0	1.12		.66	18	.0	0		7	1	0
Max	66.1M	- 5.3	95	29	41	24		3	0	.82	-1.72	.27	20	.0	0		6	1	0
Mc Clusky	66.8	- 3.6	92	27+	43	13	47	3	0	1.88	- .61	.73	20	.0	0		9	3	0
Minot CAA AP //	65.5	- 3.3	94	28	43	4	68	2	0	2.19	.14	1.08	29	T	0		10	3	1
Minot Exp Farm	65.3		93	28	42	4+	66	2	0	2.36		.81	29	T	0		11	4	0
Mohall	64.9	- 2.6	93	28	43	4	67	1	0	3.41	.96	1.84	29	.0	0		11	5	1
Napoleon 1 SE	66.8	- 2.6	90	28	43	5	36	1	0	1.18	-1.33	.53	20	.0	0		6	1	0
New Salem 1 S	66.1	- 4.7	95	16+	44	19	66	5	0	1.75	- .42	.72	2	.0	0		8	2	0
Pettibone	65.6	- 3.9	91	28+	43	4+	64	3	0	2.28	- .46	1.22	2	.0	0		9	4	1
Riverdale	66.9		92	29	45	4+	44	2	0	2.26		.80	25	.0	0		11	3	0
Rolla	63.8	- 2.9	90	28+	41	13	92	2	0	3.69	1.01	2.08	30	.0	0		14	2	1
Rugby	66.8		93	28+	44	13	43	2	0	1.83		.52	20	.0	0		12	3	0
Steele	65.1	- 5.1	90	27+	40	13	70	2	0	1.23	-1.59	.41	20	.0	0		8	1	0
Towner	65.2	- 3.9	93	28+	43	4	72	3	0	2.65	.24	1.60	30	.0	0		12	2	1
Turtle Lake	62.4M	- 7.1							0	1.42	-1.13	.31	20	.0	0		9	2	0
Underwood 12 W	66.1	- 5.8	97	29	41	13	51	6	0	1.40	-1.00	.41	29	T	0		7	3	0
Upham Wildlife Ref	65.2		96	29	40	13+		3	0	2.59		.78	2	T	0		11	4	0
Velva	66.0	- 4.0	92	28	45	4+	56	2	0	1.52	- .80	.46	1	.0	0		12	1	0
Washburn	67.6	- 3.6	92	29	46	4	35	3	0	1.08	-1.54	.42	18	.0	0		10	1	0
Westhope	65.6	- 2.3	92	28	45	4	59	2	0	2.74	.42	.77	30	.0	0		9	5	0
Willow City	64.4	- 2.2	91	28+	44	4+	76	2	0	4.02	1.73	1.28	30	.0	0		13	3	2
Wilton R R Station	65.3M	- 5.1	91	28	44	16		3	0	1.51	- .80	.81	19	.0	0		9	2	0
Wishek	65.8M	- 4.6			41	13		2	0	.76	-1.84	.34	15	.0	0		7	1	0
DIVISION	65.8	- 3.8								2.02	- .46			T					

See reference notes following Station Index.

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
WESTERN DIVISION																			
Almont 7 SW	66.7		95	29	41	4	56	5	0	1.24		.59	18	.0	0		10	2	0
Amidon	66.5	- 3.9	96	28	40	5	55	9	0	1.31	- .83	.30	18	.0	0		5	2	0
Beach	65.6	- 4.3	95	28	41	23	71	4	0	.83	- .97	.18	11	.0	0		12	0	0
Belfield	65.5	- 4.5	96	28	40	5	72	8	0	.56	-1.66	.11	11+	.0	0		9	0	0
Bowbells R R Station	65.4	- 2.1	95	29	41	4		5	0	2.16	- .07	.80	30	.0	0		15	2	0
Bowman Court House //	66.5	- 4.4	94	28	42	13	58	7	0	1.98	- .10	.95	11	.0	0		9	2	0
Crosby	65.2	- 2.7	96	29	43	4		6	0	3.63	1.55	1.08	11	.0	0		12	3	2
Dickinson CAA AP	65.9	- 3.1	95	28	44	4+	64	7	0	.70	-1.51	.36	11	.0	0		5	1	0
Dickinson Exp Station	65.8	- 3.2	96	29	39	5		8	0	.68	-1.53	.18	26	.0	0		8	0	0
Dunn Center	64.9	- 4.1	97	29	38	13		8	0	1.61	- .72	.42	30	T	0		10	2	0
Elbowoods	65.2	- 4.7	96	28	39	13	72	7	0	1.32	-1.09	.53	29	.0	0		6	2	0
Epping	67.1	- 3.7	99	28	42	4+	53	8	0	3.14	1.09	1.60	29	.0	0		7	3	1
Grenora	67.6M	.2	95	28	42	22		9	0	2.44	.60	.62	29	.0	0		8	4	0
Bettinger	68.1M	- 3.6	96	29	42	13			0	1.07	-1.21	.62	18	.0	0		5	2	0
Kenmare	66.3	- 3.0	94	29	43	4		3	0	2.41	.11	.50	30	.0	0		14	4	0
Marmarth	67.0M	- 4.2	96	28	42	5		5	0	.74	-1.17	.35	11	.0	0		4	2	0
Medora T R N M P	66.0		98	28	36	22	68	9	0	.54		.16	9	.0	0		7	0	0
Mott	68.1	- 5.5	94	7	40	5	62	6	0	1.51	- .62	.70	10	.0	0		6	2	0
New England	66.7	- 3.8	96	28	41	5	49	8	0	1.71	- .42	.75	11	.0	0		6	2	0
Parshall	65.0	- 4.6	95	28	38	4+	76	3	0	1.56	- .66	.77	29	.0	0		9	2	0
Portal	64.2	- 3.8	95	29	41	4		2	0	3.55	1.48	.95	11	.0	0		13	5	0
Richardton Abbey	66.5	- 4.6	95	27	42	13	61	6	0	1.72	- .74	.89	6	T	0		9	2	0
Sanish	64.7	- 6.0	98	29	37	5+		7	0	.72	-1.30	.22	8	.0	0		11	0	0
Stanley	64.0,		94	28	43	13+	88	1	0	1.68		.32	2+	.0	0		9	3	0
Van Hook	66.1M		96	28	39	4	61	6	0	.35		.10	8+	.0	0		5	0	0
Watford City	86.7	- 4.4	97	28	43	4+	56	7	0	1.27	- .73	.52	15	.0	0		7	2	0
Williston WB City //	68.8	- 2.1	97	28	44	4	50	4	0	3.20	1.31	1.72	29	.0	0		11	3	1
DIVISION	66.0	- 3.7								1.62	- .47			T					
STATE	66.1	- 2.9								1.92	- .53			T					

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the postoffice.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830 C.S.T.

- \- No record in Tables 3, 4, 6, 7 and the Station Index. No record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
- \+ And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 8 Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Daily values and monthly total from recording gage. All other data in Table 3 are from non-recording gages.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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W.B.O., Kansas City, Mo. -- 9-20-50 -- 1145

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA
JULY 1950

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S					T									T		.25					.23	T									.30	.78
Almont 7 SW			.06				.01		T			.08				T	.04		.58	.01	.08				.33	.01					.03		1.24
Alpha 1 S		.07	.06								T	*	.10						.06	*	.07					.04					.06		.46
Ambrose				.10					.06			1.35			.62						.22									.70	T	.09	3.14
Amenia		.17		.48								.04	.01			.03		.35			.11												1.18
Amidon		T	T				.11					.75					T		.30	T	T					.05					.10		1.31
Amidon	R						.10				.75	.02					.01	.01	.30							.05							1.24
Antler	R		.61						.31						.08		.16				.65		.07							.86	.08	.22	3.04
Arvilla St Pk					.01				.18	.48		.04		.02	.05	2.26	.08	.35	.19	.21	.06					.03							3.86
Ashley	//		T	.09						T						.11	.19			.13	.73	T				.19						.11	1.55
Ashley	R //			.06												.09	.24			.02	.57					.17					.08		1.23
Baldhill Dam		T		.07								T	T	.03		.10	.08	1.00		.06		.27			.01								1.62
Balfour	R	-	-	-	-	-	-	-	-	-							.12				.25									.03	-	-	-
Halta		-	-	-	-	-	-	-	-	-	-	-	-	-	.16	T			.01		.42		T							1.99		T	-
Bantry			.36												.11						.23		T	.09						1.32			2.11
Beach		.02	.03	.05						T		.18	.03				.14	.01	.02		.04					.09					.15	.07	.83
Heach	R	.05		.07							.15		.06				.12				.03					.09					.22		.78
Belcourt Indian Re			.18						.20	.02		.03	.01		.01	.24			.03		.49	.04	.02	.02	.13						1.80	.41	3.83
Belfield		.07	.03	T			T			T	T	.11	.03				.11	.03	.05		.06				T					T	.07		.56
Berthold		.18	.03						.14	.08	.03		.02			.01	.45		.11		.42		.02			.19				1.10	.07	.07	2.82
Beulah			.43					.05	.04			.15					.25		.19		.10					.03	.03			.01	.01	.24	1.48
Beulah	R	.43					.06				.09	.05				.25			.18		.07					.03						.21	1.37
Biebee			.02						.16	.52						.30			.08		.34	.03		.09	.01						.75	.25	2.55
Bismarck WH City		T	.04					.16	T			.05	.03		.05				.58	.05	.06		T								.04	1.06
Bismarck WB AP			.01				.01	.10	T			.04	T		.07	T	T		.63		.11		T							T	.15	1.12
Bismarck WH AP	R		.01				.01	.10				.04			.07				.63		.11										.15	1.12
Bottineau		.06	.52	.01				.01	.09			.04	.02		.26	.13	T		.02		.42	.22	01	.22							.37	.59	2.99
Bowbells R R Sta		.08		.02					.21	.03		.19	.04	T	.03	.12	.38	.09	T		.05	.02				.07					.80	.03	2.16
Bowman Court House	//	.04										.95	.01		.10	T	.14		.62	.02	.03										T	.07	1.98
Bowman Court House	R //										.96	.03			.12		.07		.50												.05	.04	1.77
Breien	R						.11				.06	.17							.68		.09					.03							1.14
Hutts			.05						.06			.03	.05				.03	.01	.10		.75											.34	1.42
Carrington			.40					T				.05			T	.06		.15	.15	.36			.44		T	.22					T	.10	1.93
Carson	R						.83				.27	.03					.02		.49						1.40	.12							3.18
Careon 2 SW							.65					.47					T		.50	.06					T	.10						T	1.78
Cavalier Power Pl					.33				.12			.02		T	.06	.31	.05		T	.10		.08		.05						.07	.16	1.35
Center							.20				.04		.02			.08	.10		.83		.12												1.38
Colgate				.67									.02		.03		.26			.01		.16				.05						.05	1.25
Columbus								.02	.06		T	.82		T	.08	.15	.03		T		.19									2.05	.05	.05	3.50
Cooperetown				.27								T						.41	.11	T	.14		T	.08								.43	1.44
Courtenay				.15				.09			T		T					.51	.24		.09		T	.03								T	1.11
Crosby			.05	.07				.06	.05			1.08	.16			.67	.13	T			.18	.03									1.05	.10	3.63
Crosby	R	.05	.07					.05	.05		.45	.71			.66	.03	.10				.19										.99	.02		3.37
Daweon	R		.74									.04			.03				.22		.21				.07	.05					.16	.06	1.58
Devils Lake WH City			.08		T				.01			.01	.01	.04	.65	T	T	T	.01		.05		T	.24	.09	.21				.36	.03	T	1.80
Devioe Lake WB City	R		.09						.01			.01	.01	.04	.65				.01		.05			.24	.09	.21				.36	.03		1.80
Dickineon CAA AP		T									.10	.36	T		T	T			.18		.04					T					.02		.70
Dickineon CAA AP	R										.39	.10							.18		.03										.02		.72
Dickineon Exp Sta		.02	T	T				T				.15	T				T	.03	.07	.15	.05						.18					.03	.68
Donnybrook		.12	.33	T					.25			.02	.02		T	.02	.44	T	.37		.22		T			.12				1.04	.60	.20	3.75
Drake		.35		.75						.25			.04	.01				.17				.78			.03							.05	2.43
Dunn Center				T				T	.03			.12	T				.39	.13	.20	.08	.02	.04									.42	.18	1.61
Duneeith St. San		T		.08					.08			T	T		.08	.16	T		T		.37	.25		.30	T						1.37	.56	3.25
Eckman		.42		.44	.01			.30	.04	.04			.02		.04	.09			.10			.35	.06								.62	.21	2.74
Edgeley Exp Farm		.40	.98	T							T					.20	.60		.15	.43	.20			.06		.04				.08		.01	3.15
Edgeley Exp Farm	R		.99													.20	.57		.31	.13	.22			.06		.04				.07		-	-
Edmors 1 W			.04		T			T	.16				.20	.01	.08	T	.22	.01	.04		.27		.02	.06		.27	T					.20	1.58
Elbowoods								.20	.02								.20		.07		.30									.53			1.32
Ellendale		.35	.04	.06				.14	.04							.09	1.20	.15		.75	.14	.02		04						T		.01	3.03
Epping							T		.11			.50					.24		.60		.08									1.60	.01		3.14
Esmond	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.04				.37		.01	.06						.83		.04	-
Fairfield 9 N				T			.55	T			.23					.08	.08		.03		.02											.41	1.40
Fargo WB AP	//		.11		T			T	T			.07	.01	T	.02	.03	.16	.01			T	T	T	T								.01	.42
Fargo WB AP	R //		.11									.07	.01		.02	.03	.16	.01														.01	.42
Feesenden			.60												.08		.03				.43		.03	.07							.04	.14	1.42
Flasher								.95				.26				.01	.02										.12						2.02
Flaxton			T	.36	.02			.01	.10			.77	.01	T	.01	.08	T				.15		.03		T	.13				.32	.27	.03	2.29
Forman					1.17			.30	.20	.03		.24				.06	.02	.38			.03	.12								T			2.55
Ft Yates				.01				.01	T			.37	.03				T		.78	.01	.07				T	T	.06				T	.03	1.37
Ft Yates				.01				.01				.35	.04						.75		.05					.02	.04				.02		1.28
Foxholm Wildlife Ref		.03	.03	.02				.04	.12	.02			.03			1.36	.16		.04		.30	T								.02	.01	.20	2.38
Fryburg	R	.03	.09					.01				.11	.06	T					.05	T	.04	.12						T			-	-	-
Fullerton		T	.57					.03							.11	.06	.55	-	.29		.15			.03					.82				.02	2.63
Gackle		.60	.35	.08				.31								.33	.33		.47	.11	.25	.11				.08						.15	3.15
Garrison		T					T		.16			.07	T			.03	.09		.18		.13		T			T				T	.01	.16	.83
Gladstone 22 N	R	-	-				.06		.05		.11					.10	-	-	-	-	.	-	-	-							.18			-
Glen Ullin	R		.11				.25				.04	.01				.04	.06		.50		.14				.04						.03		1.22
Golva 1 SE	R	-	-	-							.05	.01	.05																		.06	.02	-
Grafton St School					.26				.48			.25	T	.02	.19	.32			.15		.09	.24				T						.22	2.22
Grand Forks CAA AP	//		T		.06				T			.03	T	.12	.63	T	.03	.06	.02		.32		.05	T		.03					T		1.35
Grand Forks CAA AP	R //				.07							.02	.01	.13	.66		.01	.05			.31			.06		.02							1.34
Grand Forks Univ			T		.14	.01				.01		.06	T	.02	.15	.75		.15	.02		.05	.15		.08		.04					T	T	1.83
Grano	R //		.03						.16						.26	.07	.08		.12		.15									.06	.11	.35	1.39
Granville		.18	1.00	.04					.12							.60	.02		.10		.22		.09		T						.46	.45	3.28
Grassy Butte	R	-	-	-	-	-	-	-	-		.14	-	-	-	-	-	.20				.13									.05	.26		-
Grenora									.20		T	.50	T			T	.40	.30	.20		T									.62	.18	.04	2.44
Haley	R	.03									.50					.03	.23	.02	.41													.07	1.28
Halliday			.14									.13			.06	.04	.04			.11	.08									.93		.07	1.60
Halliday	R		.12								.06	.03			.07	*	.04		-	-	-	-								.98	.05		-
Hankinson R R Sta				.68					.40	2.58			.02					.18				.02			T						T		3.88
Hannaford	R	-	-	-	-	-	-	-	-	-	-	-	-		.03		.43	.14		.08	.07			.02							.05	-
Rannah			.02		.05				.28				T	T		1.02			.16		.17	.02	.05	.63	.09					.16	2.10	1.09	5.84
Hansboro			.08		T			T	.09			.02	.03	.10	.01	.24			.02		.28	.08	.01	-	.25					.06	1.73	.24	-
Harvey Water Wks			.48	.04				.10				.08				.06	.25			1.04											.25		2.30
Haynes 6 NE	R								.03										.50														.53
Hazelton R R Sta	R //		.38					.02											.17		.10											.10	.77
Bettinger		.17						T				T				T		T	.62	.25	.02						T					.01	1.07
Billsboro			.02		.12						.33	T	.05	.04	T			.14	.22		.04										T		.96
Hurdsfield	R		1.05												.05				.34		.71											.06	2.21
Jamestown CAA AP	//	T	1.17					.28			T	T	T		.08	.01	.14	T	.36	.03	.12		.03	.05	.09	.20					T	.02	2.58
Jamestown CAA AP	R //		1.20					.26							.08		.15		.35	.02	.12		.03	.05	.10	.14							2.51
Jamestown St Hosp		.02	.25	.31				.28					.02			.02	.03	.03	.14	.15	.12		T	.04	.31	.50						T	2.22
Kenmare		.02	.01	.05					.22			.04				.06	.35	.41	.05		.02	.12				.36					.50	.10	2.41
Kenmare	R	*	*	.08					.20			.04			.13	.13	.58		.05		.16					.40				.50	-	-	-
Kenmal Wildlife Ref		.08	.23					.05					T			.15	.38		.07		.12		.18									.04	1.30
Killdeer 8 NW								T									.30	T	.08		.11											.35	.84
Kramer 5 SE	R		.66	.02					.07					.03	.22	.01			.05		.39			.11						.35		.10	2.01
La Moure		.04	.02										T		.10	.05	.25		.01		.12											.01	.80
Langdon Exp Farm					.02							.76		.02	.06	.55	.20		.05		.06	.07		.30	.01						.37	.27	2.99
Laneford			.37	.02					.08				.04		.28	.05	.06		.08		.48		.05								1.10	.29	2.80
Larimore									.51					T	.04	1.87		.52			T												2.84
Leeds			.33					.08	.08			.03	.03	.06	.06	.11		T			.21			.26						1.17	.12	.55	3.08
Lefor 10 E							.17				.20		T			.01			.56		.09									T			1.03
Linton			.11					.15				.25	.09			.05	.02		.41		.35				.04							.06	1.53
Lisbon				.10						.10						.32	.11	.22		.04		.02								.27			1.18

See reference notes following Station Index.

Table 3—Continued

DAILY PRECIPITATION

NORTH DAKOTA
JULY 1950

Station			Day of month																												Total
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Maddock Agr School				.03		.05			.01	.03			.03	.05	T		.27		.09	.03	.25				.03						.07	.37	.68	1.89
Mandan Exp Sta			T	T	.16				.06	T	T		.08		.08		T	T		.03	.75	T	.15		T						T	1.31
Mandan Exp Sta	R			.15				.05					.08							.73		.15									.10	1.26
Mandan Ft Lincoln				.09					.10				.05	T		.12				.66	.06	.04									T	1.12
Marmarth													.35	T	.03		.03			.33							T				T	T	.74
Marmarth M D U Co	R		.02									.38		.04		.04		.04		.23											.03	.08	.87
Martin					1.40				.31	.13								.20				1.40										T	3.44
Max				.11								.22				.05						.27						.07				.10	.82
Mayville						.06							.01	.01	.05		.09		.26	.08		.14			T	.01	T					T	.71
Mc Clusky			.34		.19								.12	.02		.01				.28		.73				.08						.11	1.88
Mc Gregor M R Sta	R								.14				-	-	-	-	-	-	-	-	-	-	-	-	-					.86			-
Mc Henry 5 N				.38									.02	.21			.11		.28			.11			.26	.08				.01			1.46
Mc Leod 3 R				T	.05				.90	.31		.03					.48	.50					.05		.10	.02						T	2.44
Mc Ville				.02											.03				1.20		.59						.10						1.94
Medina 1 W			.20	.08					.65										.04	.10	.07	.12			.08	.10	.23					.05	1.72
Medora T R N M P			T	T						.07	.16		.13	.02						.08		T									.02	.06	.54
Melville	R			.80					.02									.12	.05	.18		.27			.03							.03	.11	1.61
Minot CAA AP		//		T						.09			T	.02	.02	T	.01	.22	T	.05		.25		T			.05			1.08	T	.40	2.19
Minot CAA AP	R	//								.10				.02				.22		.05		.25								1.08		.38	2.10
Minot Exp Farm			.18	.02						.02			T	.03			T	.25		.04		.37		T			.05			.81	.36	.23	2.36
Moffit R R Sta				.40	T				.03								.03				.39	.43									T	1.28
Mohall				T					.26	.10			.01	T	T	.34	.04	.18		.11		.25		.01						1.84		.27	3.41
Monteplier			.07	.06	.21				.28			T					.21		.42		.47		.17			.02	.05					.22	2.18
Mott			.04	T				T				.70						.11		.61		.04										T	.01	1.51
Munich 4 SW				.06						.12			.17	T	.11	T	.36		T	.06		.07	.07	T	.34	T						1.11	.22	2.69
Napoleon 1 SE				T					T		.05						T	.02		.17		.53				.20	T					.21	1.18
Napoleon 1 SE	R									.05								.03		.17		.57					.20					.17	.03	1.22
New England			.22										.75	.05					.19	.49		.01												1.71
New Rockford			.08	.22									T	.04	.07		.09		.12	T		.18		T	.12	.10					.04	.20	1.26
New Rockford 6 NW				.07					T	T			.05		T		.18	.07	.07	T	T	.10			.15	.26				T	T	.27	1.27
New Salem 1 S				.72				.05		.10			.02			T				.53	.09					T	.10				T	T	1.75
Noonan				.15					.05				1.30			.55	.05													1.10			3.20
Northgate	R			.10						.10		.33	.15		.06	.20	.01	.02				.11									.42	.08		1.58
Oakes			.10		.56				.12		.12						.04	.05	.99													.05		2.03
Oakes	R		-	-	-				.12	.10						.04	.02	.96				.03									.05	.01		-
Park River						.08				.97		.02	.08	T		.15	.19			.30		.03	.02				.20					.09	.30	2.43
Parshall				.10						.06	.05		.07					.01	T	.04		.18		T							.77		.28	1.56
Pembina CAA AP		//	.06		.01	.13				.01		T	.05	.01	.34	.47	1.10			.04		T	.25	.30								.01	.86	3.64
Pembina CAA AP	R	//				.10							.06		.30	.44	.98			.03			.20	.25									.82	3.28
Petersburg				.03								.12				.05	.24		.12	.13	.09	.10				.02	.08							.98
Pettibone			.30	1.22	.26								.04						.03	.05	.02	.31											.05	2.28
Pettibone	R			1.51														.04		.05		.32										.07	1.99
Portal				.63	.16					.07			.95	.26		.04	.20	.03				.26			.03		.18				.68	.06	3.55
Pretty Rock			.10					T			T		.43			T	.05	T		.49	.02					.59						.08	1.76
Raub	R	//	.49						.04	.03				.09				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reeder								.41					.49					T			.45											T	1.35
Reeder 14 N			.14										.55						.10	.53	.01	.04												1.37
Richardton Abbey				.02				.89	.03				.12	T			.04	.04		.45		.12				T	T					.01	1.72
Richardton Abbey	R							.87	.03			.10					.03	.03		.44		.12												1.62
Riverdale				.07	.02				.09	T	T		.11	.08				.38		.10	T	.15		T		T	.80			.21	T	.25	2.26
Riverdale	R			.07	.02				.10				.09	.04				.38		.10		.15					.79			.20		.27	2.21
Rolette	R			.10						.16					.30	.67				.09		.63			.10					1.30	.10	.34	3.78
Rolla				.13					.11				.01	T	.12	.01	.23	.03		.02		.44	.01	T	.13	.22					2.08	.15	3.69
Rugby			.02	.10	.09				.5				.08			.14	.06			.05		.52	.03									.44	.05	1.83
Ryder	R		.03	.17						.09			.06							.13		.34								.25			1.07
Sanish			.08	.02	T				.03	.22	.03		.04					.03		.01	.01		.10									.15	.72
Sarles	R	//				.07				.25							.22	.25		.09		.11	.08	.10	.02	.34					.10	.75	.58	2.96
Selfridge												.41		T				.04	.05	.32	.02					.01		1.18					.01	2.04
Sharon			.02		.05	T	T	T				T	T	.05	T	.03	T			.35	.55	.15			T									1.20
Sherwood			T	.09						.27						.15	.10					.48									.99	.22	T	2.30
Sheyenne	R												.21	.05		.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shields			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.01	-
Stanley				.32						.49			T			T	.04	.32	.10	.17		.11									.10	.03		1.68
Stanley	R			.09						.51								.28	.07	.17		.03			-	-	-	-	-	-	-	-	-	-
Steele			.20	.02		T				.21		T	.04		T	T				.23		.41				.02						.10	1.23
Tagus				.16	T					.12			.04			.02	T	.32	T	.04		.11		.02	T						1.00	.16	.13	2.12
Tioga					.15					.13			.28						.41	.42	.19									.49	.05		.03	2.15
Tolley 4 NE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.17	.10	T							.15	.78	.26	-
Towner				.38	.03					.09			.02	.05			.11			.07		.19		.01	.02							1.60	.08	2.65
Trotters				T						T		.20		T			T		.02												T	.24	.02	.48
Trotters Gen Store	R									.02		.07		.07																	.07	.21		.44
Turtle Lake			.10	.14									.09							.16		.31		.02			.15				.16		.29	1.42
Tuttle 8 6W			.05	.20					.05									.13		.32		.51										.14	1.40
Underwood 12 W			.04	.14				T				T		T			T	.13	T	.07	T	.29	T	T		T					.41		.32	1.40
Upham Wildlife Ref				.78	.12				.01	.02			T	T		.04	.28			.12		.66	.08									.32	.16	2.59
Valley City			.02	.12									T					.80		T		.15		T	T								.03	1.12
Van Hook				.05						.10	T	.08						.02		T	.10			T							T			.35
Velva			.46	.03						.13			.04	.05			T	.05	T	.21		.20		T	.03		.03				T	.05	.24	1.52
Wahpeton St School			.03		.02				.06	.63	.47		.25				.01		.10				.20				.72					T		2.49
Washburn				.02					.06				.19	.03				.02		.42	.08	.07		T		T	T				.03		.16	1.08
Washburn Water Wks	R							.03	.02				.18	.02				.02		.42		.07									.04		.22	1.02
Watauga S Dak 8 N			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.20	-
Watford City	R												.06				.52	.29				.05									.16	.07	.12	1.27
Westhope				.35					T	.37						.10	.12	T	.21			.30		T	.04							.77	.48	2.74
Wildrose				.10						.12			1.14	.04			.10	.05	.14	.03		.23									.90	.30	.03	3.18
Williston WB City				T	T			T	T	.01	T	.02	.61	T		T	.42	.01	.16	.06		.16									1.72	.02	.01	3.20
Williston WS City	R									.01		.02	.61				.42	.01	.16	.06		.16									1.72	.02	.01	3.20
Willow City				.48					.05	.12				T	T	.08	.15	1.13		.08		.21	.05	T	.14	.02						1.28	.23	4.02
Wilton R R Sta									.24				.05		.03				.02	.04			.29				.02						.01	1.51
Wishek				.07					T		T		T	T	T	T	.34			.11			.16			T		.02				.04	.02	.76
Zahl										.13			1.48			.05	.06		.25		.08									.77	.05		2.87

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
BALFOUR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEACH																		.02	.02	.01					.05
BEULAH																				.08	.33	.01		.01	.43
CROSBY																		.05							.05
ESMOND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLADSTONE 22N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLVA 1 S E	-	-	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
GRASSY BUTTE													-	-	-	-	-	-	-	-	-	-	-	-	-
HALEY																.02	.01								.03
HANNAFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENMARE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MARMARTH M D U CO																							.01	.01	.02
MOTT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB //																					.49				.49
RYDER																						.02		.01	.03
WAHPETON POWER PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—2d—																									
ANTLER													.08	.07			.37	.08				.03			.81
BISMARCK WB AIRPORT																		.01							.01
CROSBY																						.07			.07
DAWSON																.45	.08					.21			.74
DEVILS LAKE WB CITY																		.09							.09
EDGELEY EXP FARM						.07											.01	.91							.99
FARGO WB AIRPORT //																					.08	.03			.11
FORT YATES															.01										.01
GLADSTONE 22N	-	-	-	-	-	-	-	-																	-
GLEN ULLIN													.04	.07											.11
GRANO //																		.03							.03
HALLIDAY														.12											.12
HAZELTON R R STATION //														.01	.09	.01							.27		.38
HURDSFIELD									.28												.75	.02			1.05
JAMESTOWN CAA //										.08	.32	.19	.01				.04	.05	.41	.06	.04				1.20
KRAMER 5 SE															.57			.01		.02			.06		.86
MANDAN EXP STATION															.15										.15
MELVILLE																	.30	.50							.80
NORTHGATE																	.09	.01							.10
PETTIBONE							.25	.64	.16								.16	.04				.25		.01	1.51
RIVERDALE		.02		.01		.04																			.07
ROLETTE																.09	.01								.10
RYDER	01														.16										.17
STANLEY														.09											.09
—3d—																									
ASHLEY //	.06																								.06
BEACH																.04	.03								.07
GOLVA 1 S E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05								-
KENMARE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.08	.08
KRAMER 5 SE	.01	.01																							.02
OAKES	-	-	-	-	-	-	-	-																	-
RIVERDALE							.02																		.02
—4th—																									
GRAND FORKS CAA //																		.07							.07
PEMBINA CAA //									.01	.01	.03	.05													.10
SARLES 3 E //																.07									.07
—6th—																									
AMIDON																.09		.01							.10
BEULAH																					.03	.03			.08
BISMARCK WB AIRPORT																								.01	.01
BREIEN																				.03			.07	.01	.11
CARSON																.20	.11	.46	.06						.83
GLADSTONE 22N																				.05	.01				.06
GLEN ULLIN																					.24	.01			.25
MANDAN EXP STATION																						.02		.03	.05
RICHARDTON ABBEY																		.87							.87
WASHBURN WATER WKS																								.03	.03
—7th—																									
BISMARCK WB AIRPORT			.10																						.10
CROSBY		.02	.03																						.05
FORT YATES					01																				.01
HAZELTON R R STATION //			02																						.02
JAMESTOWN CAA //				.07	.13	.02	.03	.01																	.26
MC GREGOR RR STATION		.05	.05	.04																					.14
MELVILLE			01	.01																					.02
OAKES							.10	.01	.01																.12
RAUB //			.03	.01																					.04
RICHARDTON ABBEY																					.03				.03
RIVERDALE				.05			.05																		.10
WASHBURN WATER WKS	.02																								.02
—8th—																									
ANTLER				.04	.07	.16		.02	.01	.01															.31
CROSBY				.03	.02																				.05
DEVILS LAKE WB CITY											.01														.01
GLADSTONE 22N						.05																			.05
GRANO //				.07	.03			.05	.01																.16
GRASSY BUTTE	-	-	-	-	-	-	-	-																	-
HAYNES 6 NE		.02	.01																						.03
KENMARE				.11	.09																				.20
KRAMER 5 SE					.02	.01	.04																		.07
MINOT CAA //				.05	.02				.03																.10
NAPOLEON 1 SE																				.04				.01	.05
NORTHGATE				.01	.05		.02	.01	.01																.10
OAKES															.09	.01									.10
RAUB //									.02	.01															.03
ROLETTE												.07	.09												.16
RYDER									.07	.01	.01														.09
SARLES 3 E //																				.06	.01	.18			.25
STANLEY		.24	.09			.05	.08	.05																	.51
TROTTERS GEN STORE																							.01	.01	.02
WILLISTON WB CITY		.01																							.01

See reference notes following Station Index.

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—9th—																										
BALFOUR		-	-	-	-	-	-	-	-	-	-	-	-	-												-
—10th—																										
AMIDON																								.74	.01	.75
BEACH																				.05		.02	.08			.15
BEULAH																									.09	.09
BOWMAN COURT HOUSE	//																				.01		.94	.01		.96
BREIEN																									.06	.06
CARSON																									.27	.27
CROSBY																						.04	.04		.37	.45
DICKINSON CAA			-																					.07	.32	.39
GLADSTONE 22N																							.01	.08	.02	.11
GLEN ULLIN																									.04	.04
GOLVA 1 S R																						.03	.02			.05
GRASSY BUTTE																							.08	.06		.14
HALEY																							.50			.50
HALLIDAY																									.06	.06
HARVARTH M O U CO										.01	.01	.02			.02	.08	.02		.07	.09	.23	.14	.01			.38
NORTHGATE																								.01		.33
RICHARDTON ABBEY																								.01	.09	.10
TROTTERS GEN STORE																				.01	.01		.04	.01		.07
WILLISTON WB CITY																								.02		.02
—11th—																										
AMIDON		.01	.01																							.02
BEULAH		.03	.02																							.05
BISMARCK WB AIRPORT				.03	.01																					.04
BOWMAN COURT HOUSE	//	.01	.01	.01																						.03
BREIEN		.17																								.17
CARSON		.02	.01																							.03
CROSBY		.15	.33	.06			.01	.02	.01					.01	.12											.71
DAWSON					.04																					.04
ORVILS LAKE WB CITY															.01											.01
DICKINSON CAA		.10																								.10
FARGO WB AIRPORT	//												.06						.01							.07
FORT YATES			.33	.02																						.35
GLEN ULLIN			.01																							.01
GOLVA 1 S R																									.01	.01
GRAND FORKS CAA	//																							.02		.02
GRASSY BUTTE																				-	-	-	-	-	-	-
HALLIDAY		.03																								.03
KENMARE							.04																			.04
MANDAN EXP STATION				.08																						.08
MC GREGOR RR STATION		.05	.05	.02	.13	.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHGATE					.09	.03	.03																			.15
PEMBINA CAA	//													.04			.01	.01								.06
RIVERDALE			.08	.01																						.09
RYDER		.02	.04																							.06
SHEYENNE								.07		.01		.01		.02	.03						.07					.21
WASHBURN WATER WKS			.07	.05	.06																					.18
WILLISTON WB CITY		.10	.15	.17	.19																					.61
—12th—																										
BEACH		.02			.01	.01	.02																			.06
DEVILS LAKE WB CITY										.01																.01
FARGO WB AIRPORT	//												.01													.01
FORT YATES							.03							.01												.04
GOLVA 1 S R		.02							.02	.01																.05
GRAND FORKS CAA	//					.01																				.01
HANNAFORD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-
HARVARTH M O U CO						.02	.01	.01																		.04
MINOT CAA	//							.02																		.02
RAUB	//	.04	.05																							.09
RIVERDALE									.04																	.04
SHEYENNE										.04	.01															.05
TROTTERS GEN STORE		.02	.02									.01	.01		.01											.07
WASHBURN WATER WKS										.02																.02
—13th—																										
DEVILS LAKE WB CITY																					.01	.02	.01			.04
GRAND FORKS CAA	//																				.13					.13
KRAMER 5 SE																				.03						.03
NORTHGATE											.01	.01												.01	.03	.06
PEMBINA CAA	//																	.27	.03							.30
ROLETTE																			.20	.06	.03	.01				.30
—14th—																										
ANTLER				.01	.01																.06					.08
BISMARCK WB AIRPORT																			.07							.07
BOWMAN COURT HOUSE	//																	.12								.12
CROSBY																			.66							.66
DAWSON																				.03						.03
DEVILS LAKE WB CITY																					.04	.03	.58			.65
ESMOND		-	-	-	-	-	-	-	-	-										.02	.04	.02				-
FARGO WB AIRPORT	//																								.02	.02
GRAND FORKS CAA	//				.01																			.48	.17	.66
GRANO	//																			.26						.26
HALLIDAY																	.02		.02			.01	.02			.07
HANNAFORD																							.03			.03
HURDSFIELD																			.04	.01						.05
JAMESTOWN CAA	//																							.09		.09
KENMARE																			.06		.07					.13
KRAMER 5 SE			.01	.01																	.08	.11	.01			.22
MARMARTH M D U CO																			.02	.01			.01			.04
NORTHGATE				01					.07		.01										.01	.02	.06	.02		.20
OAKES																									.04	.04
PEMBINA CAA	//																						.02	.33	.09	.44
ROLETTE																						.48	.19			.67
SARLES 3 R	//													.10	.11	.01										.22
SHEYENNE																				.04	.01					.05
—15th—																										
ASHLEY	//								.02	.06		.01														.09
BEULAH																						.23	.02			.25
CROSBY																								.02	.01	.03
EDGELEY EXP FARM								*	*	.20																.20
FARGO WB AIRPORT	//													.02	.01											.03
GLADSTONE 22N																.02		.01				.07				.10

See reference notes following Station Index.

HOURLY PRECIPITATION

Station		A.M. Hour ending												P.M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
GLEN ULLIN																			.04							.04
GRANO	//							.03	.01	.02	.01	.														.07
GRASSY BUTTE		-	-	-	-	-	-	-	-	-	-	-	-													-
HALEY																		.03								.03
HALLIDAY																.02					•	•	•	•	•	•
KENMARE										.05	.03	.02		.01		.01	.01									.13
KRAMEB 5 SE				.01																						.01
NORTHGATE			.01																							.01
OAKES			.01									.01														.02
PEMBINA CAA	//	.05	.19	.01					.01								.05	.65	.01	.01						.98
BICHARDTON ABBEY															.01	.02										.03
SARLES 3 E	//							.05	.02		.01		.01	.09	.06		.01									.25
SHEYENNE												-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY																.03	.01	.05		.19	.07	.07				.42

HOURLY PRECIPITATION

Station		A.M. Hour ending												P.M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
BISMARCK WB AIRPORT							.08			.01		.02														.11
BREIEN							.08	.01																		.09
CROSBY							.13	.04	.01	.01																.19
DAWSON										.04	.05	.07	.03	.01	.01											.21
DEVILS LAKE WB CITY															.05											.05
DICKINSON CAA					.02			.01																		.03
EDGELEY EXP FARM													.05	.05	.11	.01										.22
ESMOND												.28	.02	.03				.03	.01							.37
FORT YATES								.05																		.05
GLEN ULLIN							.01		.13																	.14
GRAND FORKS CAA	//																	.02						.29		.31
GRANO	//									.03	.06	.03	.01	.01	.01											.15
GRASSY BUTTE				.08	.04	.01																				.13
HANNAFORD															.01	.06										.07
HAZELTON R R STATION	//								.03	.07																.10
HURDSFIELD										.01	.08	.08	.15	.01				.11	.27							.71
JAMESTOWN CAA	//													.01	.08	.01	.01			.01						.12
KENMARE										.05	.01					.05	.04		.01							.16
KRAMER 5 5E											.04	.09	.03	.02		.01	.07	.10	.02	.01						.39
MANDAN EXP STATION											.14	.01														.15
MELVILLE												.01		.03	.19	.01				.03						.27
MINOT CAA	//										.04	.16			.01	.04										.25
NAPOLEON 1 SE										.02	.02	.01	.10						.39	.03						.57
NORTHGATE								.04	.03		.01				.03											.11
OAKES														.01		.01									.01	.03
PETTIBONE											.03	.02	.05	.07	.07	.01		.01	.01	.05						.32
RICHARDTON ABBEY		.01			.11																					.12
RIVERDALE										.02	.12		.01													.15
ROLETTE													.12	.20	.02		.01	.15	.13							.63
RYDER										.01	.15		.01	.14	.02	.01										.34
SARLES 3 E	//												.03	.06							.02					.11
STANLEY															.03											.03
WASHBURN WATER WKS											.03	.03		.01												.07
WILLISTON WB CITY				.07		.06	.02						.01													.16
—21st—																										
HALLIDAY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-
PEMBINA CAA	//													.10	.10											.20
SARLES 3 E	//												.08													.08
—22d—																										
ANTLER							.02	.01			.03	.01														.07
ESMOND										.01																.01
JAMESTOWN CAA	//																.02	.01								.03
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-
PEMBINA CAA	//																	.22	.03							.25
SARLES 3 E	//																						.10			.10
STANLEY												-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—23d—																										
DEVILS LAKE WB CITY						.03	.18	.02						.01												.24
EDGELEY EXP FARM																.04	.02									.06
ESMOND																.06										.06
GLADSTONE 22N		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-
GRAND FORKS CAA	//																							.06		.06
HANNAFORD										*	*	.02														.02
JAMESTOWN CAA	//														.01	.03			.01							.05
KRAMER 5 5E																	.05	.05	.01							.11
MELVILLE									.03																	.03
ROLETTE																		.10								.10
SARLES 3 E	//			.01	.01																					.02
—24th—																										
CARSON																1.40										1.40
DAWSON															.07											.07
DEVILS LAKE WB CITY																			.09							.09
GLEN ULLIN														.04												.04
JAMESTOWN CAA	//																	.10								.10
SARLES 3 E	//														.19			.15								.34
—25th—																										
AWIDON																		.05								.05
ASHLEY	//																.10	.06	.01							.17
BEACH																	.09									.09
BEULAH																.03										.03
BREIEN																			.03							.03
CARSON																		.12								.12
DAWSON																.04	.01									.05
DEVILS LAKE WB CITY			21																							.21
EDGELEY EXP FARM																	.04									.04
FORT YATES																						.02				.02
GRAND FORKS CAA	//					.02																				.02
JAMESTOWN CAA	//							.10	.04																	.14
KENMARE									.37	02	.01															.40
NAPOLEON 1 SE															.11	.09										.20
RIVERDALE																.77	.01	.01								.79
—26th—																										
FORT YATES															.01	.03										.04
—29th—																										
ANTLER																					.28	.44	.04	.09	.01	.86
BALFOUR																						.01	.01	.01		.03
CROSBY															.02	.05	.04	.28	.35	.16	.09					.99
DEVILS LAKE WB CITY																			.19	.06	.04	.07				.38
EDGELEY EXP FARM											.07											.27	.46	.07	.03	.07
ESMOND																										.83
GLADSTONE 22N															.18											.18
GRANO	//																			.01	.04			.01		.06
GRASSY BUTTE									.02		.03															.05
HALLIDAY																.98										.98
KENMARE																	.01	.04	.04	.35	.01			.03	.02	.50
KRAMER 5 5E																						.24	.08	.03		.35
MC GREGOR RR STATION														.02	.05	.30		.02	.30	.12	.04	.01				.86
MINOT CAA	//																			.88	.20					1.08
NORTHGATE																			.13	.20	.06	.01			.02	.42
OAKES																								.02	.03	.05
RIVERDALE																			.20							.20
ROLETTE																						.10	.15	.89	.16	1.30

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

NORTH DAKOTA
JULY 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
RYDER																.23	.02								.25
SARLES 3 E //																					.05	.02	.01	.02	.10
TROTTERS GEN STORE						.07																			.07
WASHBURN WATER WKS																		.04							.04
WILLISTON WB CITY												.60	.86	.12		.13			.01						1.72
												—30th—													
ANTLER			.05	.03																					.08
ASHLEY //																					.08				.08
BALFOUR																						-	-	-	-
BEACH															.01	.05	.02	.08	.03	.03					.22
BOWMAN COURT HOUSE //																	.03	.02							.05
CROSBY	.01		.01																						.02
DAWSON																						.11	.05		.16
DEVILS LAKE WB CITY			.03																						.03
DICKINSON CAA																			.01	.01					.02
FORT YATES																					.01		.01		.02
GLEN ULLIN																				.03					.03
GOLVA 1 S E													.02					.04							.06
GRANO //	.02	.05	.01														.03	.03						.03	.11
GRASSY BUTTE																				.03	.10	.03	.01	.03	.26
HALLIDAY																				.01	.02	.02			.05
KENMARE										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARMARTH M D U CO																			.03						.03
MELVILLE																								.03	.03
NAPOLEON 1 SE																						.16	.01		.17
NORTHGATE	.02	.01				.01	.04																		.08
OAKES	.01																								.01
ROLETTE	.09	.01																							.10
SARLES 3 E //	.17	.54	.04																						.75
TROTTERS GEN STORE											.06	.02				.01	.01	.01	.04	.03	.01		.02		.21
WILLISTON WB CITY																			.02						.02
												—31st—													
ANTLER				.03													.15	.01	.03						.22
BALFOUR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEULAH											.07	.14													.21
BISMARCK WB AIRPORT											.01		.01	.01					.11	.01					.15
BOWMAN COURT HOUSE //																.03		.01							.04
DAWSON		.01											.03		.01	.01									.06
EDGELEY EXP FARM								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESMOND	.02	.02																							.04
FARGO WB AIRPORT //																				.01					.01
GOLVA 1 S E																			.01	.01					.02
GRANO //	.01	.06	.12				.06			.02						.08									.35
HALEY																	.05	.01	.01						.07
HANNAFORD																*	*	.05							.05
HAZELTON R R STATION //																				.08	.02				.10
HURDSFIELD												.02	.02											.02	.06
KENMARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE		.05							.02	.03															.10
MANDAN EXP STATION																			.10						.10
MARMARTH M D U CO																.01			.01	.07					.09
MELVILLE	.01	.01													.09										.11
MINOT CAA //	.01	.07	.01								.13	.04			.01		.11								.38
MOTT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAPOLEON 1 SE													.02		.01										.03
PEMBINA CAA //											.87	.03		.02											.92
PETTIBONE															.04		.02	.01							.07
RAUB //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERDALE										.07	.06	.08	.02											.04	.27
ROLETTE		.03	.02	.10				.02	.01	.01			.02	.01	.01	.05	.02						.04		.34
SARLES 3 E //						.21	.01	.08	.01	.03				.11	.10	.03									.58
SHEYENNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHBURN WATER WKS									.01	.03	.04	.06	.01						.07						.22
WILLISTON WB CITY	.01																								.01

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5 — NORTH DAKOTA — JULY 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 75W	MAX	79	80	72	72	77	89	90	88	87	85	82	67	79	92	73	69	80	65	75	75	73	72	76	76	83	86	92	93	95	78	74	79.8
	MIN	58	56	53	41	44	53	60	67	61	83	65	50	45	53	53	44	47	55	51	57	51	50	49	50	56	53	55	62	63	49	49	53.8
AMENIA	MAX	78	71	79	74	77	85	82	78	87	78	79	76	76	80	77	78	80	79	82	74	77	74	75	82	81	86	80	80	80	83	78	79.9
	MIN	56	41	52	45	50	50	53	62	59	64	65	53	43	55	59	53	53	54	54	52	54	49	53	53	57	55	55	58	59	63	57	54.4
AMIDON	MAX	78	77	78	73	80	90	94	92	91	90	84	76	78	90	83	72	78	78	79	79	82	76	78	80	88	89	92	98	91	71	73	82.4
	MIN	54	54	48	43	40	52	51	63	58	57	80	46	43	51	55	45	43	53	48	57	45	45	42	55	55	48	48	59	62	42	48	50.8
ARVILLA STATE PARK	MAX	74	78	79	68	81	86	84	83	90	89	79	77	76	72	76	74	78	78	83	81	72	65	74	85	81	87	91	89	92	82	78	80.1
	MIN																																
ASHLEY	MAX	78	80	71	70	74	85	89		88	78	81	75	76	85	81	74	77	74	76	73	77		74	71	83	86	88	89		85	75	78.0
	MIN	55	53	52	44	43	51	60		65	65	64	48	41	48	59	48	47	54	53	55	52		48	49	49	52	58	58		52	52	52.6
BALDRILL DAM	MAX	78	77	74	68	70	80	84	81	84	81	78	82	67	80	82	77	80	80	79	81	70	76	77	73	81	80	86	88	90	93	82	79.8
	MIN	54	46	50	41	43	46	60	60	59	59	63	48	38	51	57	48	47	47	52	53	49	44	44	48	47	48	54	58	64	54	54	51.2
BEACR	MAX	78	76	73	71	79	88	93	89	89	94	77	70	80	87	79	69	77	75	81	76	75	76	74	80	88	87	93	95	79	72	72	80.4
	MIN	53	52	49	43	43	56	52	64	63	66	60	46	43	51	55	44	43	56	48	56	43	42	41	50	50	47	48	57	59	45	46	50.7
BELCOURT INDIAN RES	MAX	71	70	68	63	72	81	81	78	84	83	74	74	74	68	70	80	78	71	77	77	66	61	72	75	78	81	85	89	90	75	65	74.8
	MIN	54	42	53	42	42	42	54	53	57	60	63	44	39	50	45	46	53	51	43	55	46	46	50	49	45	45	47	55	52	55	54	49.4
BELFIELD	MAX	79	78	76	72	78	90	92	90	91	90	78	72	80	88	77	69	76	80	78	75	78	74	78	83	88	89	94	96	90	74	73	81.5
	MIN	53	53	43	42	40	52	52	63	63	61	61	47	41	51	55	45	50	44	47	57	43	42	42	52	44	44	44	55	58	42	44	49.4
BISBEE	MAX	72	73	74	75	76	87	86	81	90	84	75			77	62	71	77	75	80	70	68	65	75	76	78	83	88	82	93	87	73	78.0
	MIN	54	47	49	49	44	48	56	58	59	62	47			39	43	57	50	49	48	56	50	49	49	53	52	51	53	56	57	57	56	51.7
BISMARCK WB CITY	MAX	78	79	72	73	76	87	88	87	87	85	83	82	84	88	83	74	79	78	77	76	76	73	74	76	84	88	91	91	92	80	74	81.1
	MIN	59	57	55	48	46	55	62	68	63	66	67	52	45	56	62	54	50	55	55	60	52	48	52	58	57	56	61	62	67	54	53	56.6
BISMARCK WB AIRPORT	MAX	82	82	75	73	77	90	89	88	89	86	85	66	80	92	76	68	81	62	79	76	78	75	74	79	85	88	95	95	95	82	73	81.1
	MIN	58	56	52	47	46	54	63	68	61	65	66	47	44	50	56	50	47	55	52	57	51	47	51	56	56	54	57	60	62	53	54	54.7
BOTTINEAU	MAX	74	72	68	67	73	83	84	84	86	86	80	73	78	76	67	88	75	74	78	76	65	63	73	76	79	81	88	91	91	78	76	76.7
	MIN	48	50	53	49	42	51	59	64	59	63	65	47	41	54	55	49	45	53	49	54	48	48	50	54	49	53	56	57	56	55	54	52.6
BOWBELLS R R STATION	MAX	86	78	78	77	74	79	90	91	91	88	91	81	67	79	73	63	70	74	76	77	74	66	61	70	77	83	87	87	95	81	74	78.6
	MIN	53	59	48	41	45	51	57	57	55	67	64	46	43	53	52	53	45	54	51	58	49	44	49	45	55	52	53	54	60	51	51	52.1
BOWMAN COURT HOUSE	MAX	78	83	74	72	89	90	93	93	89	92	89	72	76	82	76	62	76	76	77	78	73	73	71	78	84	85	90	94	93	74	66	80.5
	MIN	55	54	49	51	45	54	54	65	59	62	62	46	42	51	56	47	45	53	50	57	47	49	48	55	50	53	52	59	63	45	51	52.5
BUTTE	MAX	75	76	70	68	75	88	87	85	87	85	83	80	80	81	75	65	78	71	78	75	71	65	72	78	81	85	91	91	90	92	67	78.8
	MIN	56	56	56	46	47	54	62	66	63	66	66	47	45	50	54	48	50	50	46	58	50	46	51	53	54	55	60	63	64	54	53	54.5
CARRINGTON	MAX	77	82	76	68	64	75	85	82	85	88	83	80	62	79	78	75	70	70	78	80	67	71	65	75	80	81	85	91	90	91	81	77.9
	MIN	55	49	56	45	46	48	61	61	60	65	65	55	48	48	56	54	50	46	50	54	53	50	50	52	55	54	58	63	63	55	53	54.1
CARSON 2 S W	MAX	82	80	75	74	80	92	90	88	88	88	80	68	78	93	75	65	80	63	75	77	77	75	75	80	86	90	95	96	98	80	73	81.2
	MIN	52	52	48	43	44	54	58	66	60	62	65	50	42	52	58	46	42	55	53	57	46	44	44	49	52	52	56	60	65	46	48	52.2
CAVALIER POWER PLANT	MAX	79	77	73	71	78	85	85	84	89	82	82	72	73	72	72	73	77	75	81	79	69	70	74	79	78	82	88	93	92	82	79	78.9
	MIN	57	49	57	46	51	53	62	61	63	87	86	50	40	52	58	53	53	51	51	57	55	56	50	57	57	53	57	61	59	65	58	55.6
CENTER	MAX	78	78	76	71	76	88	88	86	88	87	82	76	78	89	80	68	78	78	75	76	70	71	72	77	85	87	92	91	92	80	70	80.1
	MIN	54	52	48	49	39	42	50	80	58	60	64	46	45	57	50	42	44	42	47	57	50	45	50	50	50	49	52	55	59	59	52	50.9
COOPERSTOWN	MAX	78	76	71	67	76	84	84	84	89	84	80	78	72	76	75	73	75	75	81	77	74	70	74	81	80	85	90	90	94	89	78	79.3
	MIN	55	50	54	44	47	50	62	59	60	66	64	51	40	53	59	50	52	52	52	54	51	47	52	52	54	54	55	58	63	58	56	54.0
CROSBY	MAX	80	79	77	71	69	78	91	93	87	91	94	75	86	80	77	65	70	73	79	79	71	66	62	71	78	83	87	90	96	73	71	78.1
	MIN	55	55	51	43	44	49	56	83	57	65	60	46	46	51	53	54	48	51	51	52	51	48	51	47	51	53	53	56	60	49	52	52.3
DEVILS LAKE W B CITY	MAX	74	74	69	65	75	84	83	81	88	81	80	60	76	71	67	70	77	73	80	69	71	61	74	79	78	82	90	91	92	79	70	76.3
	MIN	54	51	52	46	48	53	64	61	61	67	60	48	44	54	54	50	53	54	53	58	53	50	51	53	57	56	59	63	64	57	57	55.0
DICKINSON CAA	MAX	78	78	71	70	77	90	93	88	89	91	78	64	78	91	73	67	77	70	78	75	76	74	75	78	86	87	92	95	90	75	73	79.9
	MIN	54	54	50	44	44	54	56	87	60	62	58	47	47	52	52	48	47	54	49	53	48	45	44	53	51	51	53	62	53	48	48	51.9
DICKINSON EXP STATION	MAX	78	80	78	72	71	77	90	92	87	91	92	81	65	80	92	74	87	79	71	78	75	77	74	76	82	88	87	93	96	81	77	81.0
	MIN	53	55	50	42	39	52	55	62	58	60	63	49	42	51	56	45	44	55	51	55	45	43	45	48	46	47	47	60	60	43	45	50.5
DRAKE	MAX	74	80	79	70	69	75	85	85	83	88	88	87		81		74	75	77	73	80	78	68	68	75	77	80	86	90	91	93	81	79.7
	MIN	56	54	50	50	45	53	62	64	64	63	66	48	44	55	55	51	49	54	52	57	51	48	49	51	56	58	60	60	63	60	53	54.9
DUNN CENTER	MAX	79	79	78	72	72	83	74	91	90	90	92	81	66	80	92	69	65	78	72	78	76	77	76	78	81	88	89	95	97	96	75	80.9
	MIN	52	52	49	39	39	46	55	60	59	58	54	48	38	48	48	48	48	51	50	56	47	43	46	45	47	44	45	51	55	46	49	48.9
DUNSEITH ST SANITARIUM	MAX	69	70	67	66	72	82	82	83	85	84	79	72	74	65	64	67	74	72	78	75	66	63	72	74	75	81	86	90	90	82	73	75.2
	MIN	55	48	54	46	47	48	59	61	60	67	65	45	43	53	54	50	50	54	47	56	48	47	51	53	51	51	55	56	60	55	54	53.0
ECKMAN	MAX	76	78	76	68	67	76	84	85	86	84	87	78	65	76	71	61	70	76	75	80	71	68	67	73	78	80	84	86	93	89	77	76.9
	MIN	54	55	53	43	44	51	61	65	65	62	67	48	43	53	53	51	45	50	49	57	50	51	45	49	49	50	53	57	57	55	54	52.9
EDGELEY EXP FARM	MAX	80	75	74	72	75	85	83	81	86	78	82	78	76	84	78	73	78	76	78	71	75	75	74	78	82	85	89	90	91	88	78	79.6
	MIN	59	52	57	45	48	48	59	64	67	83	67	53	45	48	57	47	52	51	55	50	50	48	50	51	55	52	55	55	54	55	55	53.7
EDMORE 1 W	MAX	72	72	70	67	75	81	82	80	89	81	73	71	74	65	68	72	77	75	78	71	70	63	75	80	80	82	87	90	91	80	75	76.3
	MIN	53	46	55	44	45	48	59	58	57	68	63	47	38	52	54	47	50	50	49	55	51	49	49	50	52	52	54	56	59	57	55	52.3
ELBOWOODS	MAX	80	76	70	72	79	91	89	88	85	92	82	66	94	90	77	68	80	72	80	75	72	69	78	81	88	88	92	96	93	77	72	81.0
	MIN	52	49	50	42	42	52	55	58	62	61	52	54	39	40	64	44	45	51	51	41	43	43	43	47	47	51	50	50	56	52	39	49.4
ELLENDALE	MAX	81	80	75	75	79	86	86	78	89	78	84	70	79	86	82	75	78	78	78	70	81	74	77	80	84	86	89	90	89	84	75	80.5
	MIN	62	53	52	47	49	54	50	64	66	68	62	52	45	47	58	49	52	52	57	53	52	58	52	52	58	55	54	55	65	55	59	55.1
EPPING	MAX	80	78	76	72	80	90	92	89	91	95	88	72	80	86	80	70	77	79	80	78	71	68	75	85	86	92	93	99	95	73	72	82.0
	MIN	52	48	55	42	48	55	59	64	62	65	61	47	45	50	55	50	46	52	51	58	47	42	46	47	53	53	53	58	55	48	51	52.2
FARGO WB AIRPORT	MAX	78	77	76	70	76	85	80	81	89	80	78	68	77	82	78	76	78	80	82	76	80	75	74	82	81	85	91	91	94	83	76	80.0
	MIN	56	52	55	46	48	51	60	64	64	66	66	49	42	55	60	51	55	50	55	58	53	49	54	49	55	54	81	63	66	65	59	55.8
FESSENDEN	MAX	68	74	70	65	70	78	82	80	85	78	78	77	74	77	68	64	74	70	77	75	69	65	62	75	77	81	92	90	92	84	77	75.7
	MIN	54	60	64	47		54	64	63	60	69	65	47	46	50	52		50	51	52	58	52	51	50	59	55	54	59	62	65	54	52	55.8
FORMAN	MAX	80	78	73	76	77	85	84	77	92	75	82	81	77	84	82	73	79	78	80	75	83	79	75	82	85	87	91	91	93	84	79	81.2
	MIN	53	54	51	41	43	51	52	62	64	64	60	52	38	51	60	59	82	55	54	54	51	48	51	48	58	53	55	58	68	54	53	54.1
FORT YATES	MAX	80	81	76	72	76	88	90	84	86	82	84	73	80	90	78	72	80	66	76	81	80	77	75	78	84	88	90	92	92	83	73	80.8
	MIN	62	55	51	46	42	52	64	68	58	65	65	45	42	55		47	49	55	52	59	51	47	51	50	53	53	55	61	59	65	50	47	54.0
FOXHOLM WILDLIFE REF	MAX	75	75	69	68	75	87	88	87	88	93	87	78	79	74	65	69	74	75	78	77	69	65	73	77	83	86	87	95	92	76	72	78.5
	MIN	55	52	53	45	43	47	60	64	62	63	66	47	47	49	54	51	53	52	47	56	52	48	52	50	52	49	52	54	59	54	54	53.0

See reference notes following Station Index.

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FULLERTON	MAX	79	80	78	74	77	87	80	76	91	82	84	74	78	88	79	78	79	81	82	70	80	78	74	83	86	89	92	94	82	83	72	81.3
	MIN	56	50	55	47	47	47	61	64	61	66	64	52	43	48	57	49	53	52	57	53	54	52	51	52	57	54	55	55	58	58	56	54.3
GACKLE	MAX	74	74	74		74	83	82		85	78	78	78	75	80	80	72	75	78	75	74	74			75	80	83	87	88				78.1
	MIN	55	54	55		48	53	60		61	60	64	51	45	52	54	50	51	54	54	56	53			50	57	55	59	59				54.8
GARRISON	MAX	78	76	72	70	75	90	90	85	89	85	82	63	79	90	75	68	78	71	77	75	72	67	78	80	82	87	92	93	95	78	72	79.5
	MIN	53	56	51	41	45	51	65	86	61	64	56	49	45	51	51	51	46	54	53	55	50	47	49	49	54	53	57	61	58	51	52	53.1
GRAFTON STATE SCHOOL	MAX	80	76	73	68	77	85	86	86	91	81	82	75	73	71	72	74	79	79	83	80	72	70	74	83	80	85	94	96	100	91	82	80.8
	MIN	55	48	54	48	49	50	60	61	61	61	64	50	41	51	53	51	53	48	50	55	54	54	50	55	57	50	52	59	58	64	57	54.0
GRAND FORKS CAA	MAX	73	77	73	65	80	85	83	84	89	80	78	64	74	74	75	78	78	78	83	78	74	66	73	80	80	88	90	92	82	82	76	78.8
	MIN	53	47	53	45	49	52	61	63	62	66	64	47	39	54	58	53	55	52	56	56	55	52	54	53	58	55	57	60	61	63	60	55.3
GRAND FORKS UNIVERSITY	MAX	75	75	74	66	78	84	83	83	87	80	77	75	74	74	74	75	78	77	81	76	74	67	73	80	79	83	89	90	91	81	76	78.4
	MIN	51	48	52	45	48	52	61	62	62	65	65	48	40	55	58	52	56	52	54	56	55	52	53	58	56	55	57	57	81	64	60	55.2
GRANVILLE	MAX	75	74	70	68	75	84	85	84	88	85		75	77	77	72	68	72	73	78	76	70	66	71	76	81	85	88	93	93	78	75	77.7
	MIN	54	53	52	43	45	51	58	64	62	64		47	44	54	54	51	47	53	48	57	50	45	50	55	52	56	54	55	59	54	52	52.8
GRENORA	MAX	90	80	78	81	84	88	90	91	90	92	81	75	83	92	80	70	75	77	80	74	69	67	71	81	86	87	92	95	80	71	73	81.7
	MIN	58	54	52				56	70	58	62	60	46	51	62	56	50	47	50	52	58	47	42	58	46	52	52	50	57	53	48	50	53.5
HANKINSON R R STATION	MAX	84	82	77	71	75	77	66	74	76	82	79	75	73	77	82	82	74	79	78	78	75	85	82	73	88		85	91	81	93	77	80.0
	MIN	58	52	57	54	48	53	58	60	64	62	65	57	45	52	62	53	55	55	56	51	58	53	53	53	57	54	59	65	83	63	58	56.5
HANNAH	MAX		72	68	63	75	83	84	80	83	82	78	71	72	62	62	71	74	70	77	72	66	63	74	77	75	80	86	80	93	76	73	75.1
	MIN		47	54	45	46	52	60	60	59	83	65	46	37	43	53	42	49	50	52	58	52	50	54	52	52	52	55	80	62	60	55	52.8
HANSBORO	MAX	70	73	65	64		83	83	79	83	83	80	62	75	65	65	73	77	73	80	70	69	64		75	78	85	89	90	92	77	71	75.8
	MIN	52	45	53	42		43	55	57	58	62	60	45	38	51	53	46	48	48	46	54	49	48		49	49	50	52	55	58	57	54	50.9
HETTINGER	MAX	86	81	83	79	80	81	83	92	90	87	94					79	82		79	84	76	78	85	83	81	89	91	95	96	84	77	84.4
	MIN	51	52	57	54	41	51	56	63	60	62	59	49	42	44		47	43		42	48	47	47	46	54	43	53	50	71	62	60	45	51.7
BILLSBORO	MAX	78	76	72	68	78	81	85	90		79	77	72	78	79	74	77	79	79	82		84	76	75	84	88	84	91	92	92	83	78	80.3
	MIN	55	50	49	46	48	56	59	62	65	63	56	41	54	56	50	52	50	53	52	54	54	48	56	54	56	51	60	54	80	82	58	54.3
JAMESTOWN CAA	MAX	78	69	70	69	75	83	79	80	87	75	80	65	76	81	74	72	77	72	77	68	74	71	72	79	81	85	88	87	90	80	69	78.8
	MIN	55	50	51	46	46	50	60	62	81	65	82	48	44	52	56	54	55	54	54	54	54	50	51	50	53	53	56	58	63	58	55	54.1
JAMESTOWN STATE SOSP	MAX	77	71	70	68	76	87	80	81	87	84	82	79	78	83	77	73	79	75	80	76	77	72	73	80	79	85	90	91	93	84	79	79.5
	MIN	56	53	56	47	49	50	60	64	63	66	66	53	45	56	60	56	57	54	55	56	52	51	52	53	56	56	58	58	64	57	57	56.0
KENMARE	MAX	76	82	80	74	72	72	88	89	90	87	90	82	68	81	76	66	71	75	75	78	75	68	65	77	82	83	88	88	94	85	77	79.2
	MIN	56	54	49	43	47	53	60	63	56	66	64	47	45	51	52	52	49	54	51	55	50	54	50	47	56	54	58	57	60	50	50	53.3
KENSAL WILDLIFE REFUGE	MAX	77	72	71	74	80	83	83	86	89	78	81	79	79	81	71	71	79	76	79	72	75	72	78	80	82	88	92	89	92	82	72	79.5
	MIN	55	49	54	42	44	50	61	60	60	68	85	50	42	60	50	46	50	51	47	54	51	49	49	52	50	49	55	55	63	50	54	52.8
LA MOURE	MAX	79	74	71	77	75	83	80	82	90	82	81	80	79	85	83	75	78	78	80	77	80	76	80	83	88	90	91	91	87	87	81	81.4
	MIN	57	50	54	47	47	57	63	60	64	69	69	55	45	50	58	49	53	52	59	54	57	60	50	53	51	55	84	56	56	57	57	55.7
LANGDON EXP FARM	MAX	78	73	70	65	76	82	82	80	86	84	78	72	73	63	65	70	75	78	79	74	67	63	75	77	78	80	88	80	80	83	74	76.4
	MIN	54	45	53	42	43	49	60	57	58	65	63	46	37	48	54	46	49	53	56	56	51	50	50	50	53	55	56	55	58	58	55	52.5
LARIMORE	MAX					68	75	73	74		76	72	72								89	66	68	72	89	75	79	88	83	80	73	69	
	MIN					44	52	62	60	63	66	65	50	42	53	55	53	55	52	54	57	51	53	55	57	56	59	59	62	64	59	51	55.1
LEEDS	MAX	75	77	71	69	77	87	86	88	92	85	83	80	77	72	69	76	78	78	82	77	70	66	75	81	82	86	92	83	95	82	71	79.1
	MIN	56	47	54	45	45	54	61	61	58	66	65	48	42	54	57	49	52	52	47	56	50	47	50	52	53	50	55	59	60	58	54	53.4
LINTON	MAX	82	85	75	74	78	88	91	86	89	85	83	79	80	90	79	75	80	75	78	80	80	77	73	79	85	88	82	85	92	85	78	82.5
	MIN	57	55	52	46	44	54	63	65	60	66	66	53	41	49	61	47	45	56	55	58	49	43	48	50	53	53	58	57	68	52	55	54.1
LISBON	MAX	81	82	73	74	73	77	86	78	79	86	77	82	72	79	84	79	78	78	78	80	73	81	78	75	83	83	87	90	81	93	83	80.
	MIN	51	47	54	43	45	45	58	60	59	64	84	50	42	50	56	47	51	53	54	48	47	46	51	46	51	46	53	57	61	57	56	52.(
MADDOCK AGR SCHOOL	MAX	77	75	71	69	76	85	83	82	89	83	79	77	74	74	73	70	77	75	79	75	70	65	75	77	81	85	92	82	92	81	77	78.
	MIN	55	50	54	43	42	47	60	59	57	62	64	49	43	53	59	42	49	52	49	54	50	47	49	50	51	52	53	54	59	56	51	52.
MANDAN EXP STATION	MAX	79	79	79	70	70	75	88	87	85	87	84	81	63	78	89	74	67	79	61	77	76	75	72	74	78	85	84	93	91	94	80	79.
	MIN	58	55	53	46	44	52	60	66	61	62	65	57	44	49	60	48	48	53	53	58	51	48	52	55	53	52	56	61	65	52	51	54.
MANDAN FT LINCOLN PARK	MAX	81	84	75	73	78	92	90	89	89	88	86	83	83	90	84	70	93	83	78	80	79	77	80	79	85	88	97	94	95	93	77	84.
	MIN	58	55	55	47	44	50	57	55	60	63	66	51	42	50	61	49	47	53	53	59	52	48	50	55	55	53	55	61	84	52	50	53.
MARMARTH	MAX	78	80	75	83	80	89	93	88	91	95	86	72	81	88	75	68	78	74	80	76	79	78		81	82	86	82	96	88	74	74	82.
	MIN	55	54	50	53	42	50	53	64	57	67	63	50	43	47	58	49	47	58	47	60	43	47		49	50	46	45	55	56	45	54	51.
MAX	MAX	76	77	71	69	79	77	87	82	87	86	81		80	81		66	78	73	78	72	65	68	73	75	78	81	86	90	85	94	89	79.
	MIN	55	52	47	48	53	51	66	63	65	66	53	43	50	54	52	49	55	52	56	50	47	49	48	41	52	55	57	60	65	52	41	53.
MAYVILLE	MAX	77	76	77	73	76	86	82	84	90	88	79	79	74	75	76	76	75	77	82	79	78	73	74	80	80	85	90	91	82	83	78	80.
	MIN	53	52	53	45	47	54	58	58	62	66	65	53	41	55	60	53	55	53	52	55	55	50	53	52	56	54	55	62	61	63	59	55.
MC CLUSKY	MAX	75	73	78	68	76	86	87	85	89	85	82	79	78	82	78	70	78	70	78	77	71	67	73	76	80	85	92	81	82	80	75	79.
	MIN	52	53	54	46	48	54	63	66	62	65	65	47	43	49	55	50	49	54	51	57	49	46	50	55	55	56	60	59	64	54	50	54.
MC HENRY 5 N	MAX	75	73	68	67	74	82	82	84	86	78	79	75	75	74	69	70	75	70	78	72	70	63	72	76	77	82	90	88	91	80	74	76.
	MIN	55	48	51	42	47	51	53	59	61	66	64	49	40	51	55	47	50	51	50	55	50	45	51	52	53	54	58	59	82	56	51	52.
MC LEOD 3 E	MAX	82	74	76	81	74	84	81	86	88	81	75	79	80	81	86		78	77	80	79	80	77	85	83	84	88	90	89	92	83	76	81.
	MIN	56	49	54	45	47	52	60	60	68	64	63		48	55	55	50	58	53	55	53	52	46	50	48	56	53	55	52	65	60	56	54.
MEDORA T R N M P	MAX	80	79	74	73	81	91	95	92	90	95	87	78	82	90	82	71	79	78	82	80	76	76	76	84	89	88	95	98	95	78	75	83.
	MIN	48	48	46	39	37	48	49	49	46	64	46	50	37	44	57	42	38	55	44	60	38	36	38	48	45	43	78	50	69	54	58	48.
MINOT CAA	MAX	74	75	71	69	76	88	87	81	88	87	83	64	74	79	63	68	76	72	77	72	68	61	74	77	80	84	88	94	91	76	70	77.
	MIN	57	54	50	43	46	52	62	65	64	66	58	46	44	53	54	54	49	55	50	56	51	48	53	50	57	52	57	62	59	54	54	54.
MINOT EXP FARM	MAX	75	75	74	68	74	86	88	83	87	87	81	75	78	80	74	67	75	73	77	75	67	64	74	76	80	84	87	93	92	75	70	77.
	MIN	56	54	51	42	46	54	60	81	64	57	58	44	42	49	55	52	49	54	46	59	47	45	52	50	56	54	57	56	59	53	52	52.
MOHALL	MAX	76	76	70	70	75	86	85	87	83	87	77	70	76	72	63	68	75	74	77	72	66	64	74	76	80	84	85	93	87	74	71	78.
	MIN	55	56	49	43	47	50	60	64	58	64	64	47	45	54	53	54	49	53	52	58	51	47	51	49	52	51	55	54	58	54	53	53
MOTT	MAX	79	80	73	71	78	91	94	88	89	89	79	69	79	92	76	65	79	68	75	78	77	74	80	84	85	89	92	92	92	77	70	80.
	MIN	51	58	48	46	40	51	54	68	55	58	66	51	42	50	55	46	43	55	55	59	45	43	45	49	48	49	51	60	61	44	49	51
MUNICS 4 SW	MAX	70	70	71	69	72	81	81	77	85	80	78	71	74	63	60	68	73	70	77	73	67	62	75	74	78	82	86	88	90	75	70	74
	MIN	53	47	45	44	45	49	57	57	58	64	63	46	38	51	54	46	48	51	51	55	50	48	50	50	53	54	55	57	58	54	55	51
NAPOLEON 1 SE	MAX	80	78	73	72	75	83	85	84	85	80	82	79	76	86	78	72	80	78	77	74	77	74	75	77	82	85	89	90	89	80	67	79
	MIN	59	54	53	45	43	48	60	66	59	63	64	53	45	51	62	48	49	51	51	57	52	48	50	52	56	52	57	57	65	54	53	54

See reference notes following Station Index.

Table 5-Continued

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW ENGLAND	MAX	81	79	74	72	80	89	92	91	92	91	87	74	79	91	86	70	78	76	75	78	83	75	75	80	86	88	93	96	93	76	73	82.3
	MIN	52	55	49	45	41	47	49	64	59	58	64	49	42	49	56	49	44	55	53	59	45	43	49	51	48	50	49	56	59	44	48	51.0
NEW SALEM 1 S	MAX	80	73	75	71	79	89	92	89	87	83	87	72	80	93	77	67	82	63	68	72	73	72	72	77	87	83	94	93	95	79	73	79.9
	MIN	53	49	52	45	48	49	58	57	81	80	65	54	49	53	58	44	49	53	44	47	47	48	49	51	57	55	59	60	56	48	46	52.3
OAKES	MAX	80	82	78	75	73	79	86	81	76	89	78	81	72	79	87	81	77	80	79	82	71	82	78	73	83	84	89	90	91	92	84	81.0
	MIN	54	53	55	48	48	50	58	62	84	86	85	54	43	50	59	50	53	52	58	52	51	51	51	52	58	58	55	56	66	57	54	54.9
PARK RIVER	MAX	78	75	73	70	77	84	83	85	84	82	80	76	76	70	71	73	77	74	79	78	72	70	75	80	79	83	85	91	90	87	79	78.8
	MIN	58	48	57	47	50	53	58	57	61	66	64	51	41	52	53	52	55	50	52	55	55	53	51	55	57	53	58	62	64	63	59	55.2
PARSHALL	MAX	79	76	72	71	75	87	89	87	88	87	83	74	79	88	79	70	77	79	78	75	70	66	76	79	89	87	90	95	91	75	78	80.3
	MIN	50	54	49	38	39	51	62	64	60	63	64	48	38	44	53	45	44	50	45	58	43	41	44	44	49	45	46	51	61	48	51	49.7
PEMBINA CAA	MAX	67	74	70	68	78	82	84	79	87	82	77	58	68	65	74	74	77	68	81	77	72	63	74	79	79	83	87	91	91	79	73	78.2
	MIN	51	47	51	48	50	50	63	60	60	66	54	43	38	49	56	52	52	50	49	58	55	54	50	56	58	52	55	60	60	62	56	53.7
PETERSBURG	MAX	76	76	71	69	78	82	82	85	86				70	71	70	72	76	74	78	71	71	67	74	80	80	84	88	89	90	81	78	77.4
	MIN	54	49	55	47	48	55	63	59	67				47	52	56	50	54	53	54	57	51	57	51	52	58	55	59	61	65	60	58	55.3
PETTISONE	MAX	75	73	69	62	74	83	80	85	87	80	78	68	72	82	74	70	77	72	77	74	73	69	72	78	81	85	90	91	91	88	76	77.8
	MIN	46	47	47	43	48	50	62	64	60	63	64	53	43	51	80	51	49	51	52	53	51	47	51	53	55	56	58	60	63	55	51	53.5
PORTAL	MAX	79	80	75	69	68	77	87	89	86	85	90	74	65	76	72	63	70	73	78	77	72	64	61	69	77	82	86	88	95	80	72	76.7
	MIN	53	54	49	41	47	50	55	61	56	59	62	44	44	51	51	52	47	59	51	57	48	43	49	47	55	53	55	55	57	49	50	51.7
RICHARDTON ABBEY	MAX	79	78	72	72	80	91	93	88	89	87	80	69	79	91	77	65	79	70	76	73	75	73	75	81	85	89	95	93	94	76	74	80.6
	MIN	53	55	50	44	45	52	57	65	62	60	63	47	42	53	55	45	45	53	54	57	47	44	48	52	50	53	54	59	64	46	47	52.3
RIVERDALE	MAX	77	77	72	71	75	87	88	83	88	85	81	73	79	88	79	69	79	68	76	76	73	69	75	80	82	83	89	90	92	77	72	79.1
	MIN	56	55	56	45	48	53	62	67	62	64	66	48	45	49	56	49	49	52	51	57	53	47	51	52	55	55	59	61	64	52	53	54.8
ROLLA	MAX	70	72	66	66	73	84	83	76	82	85	77	73	75	62	59	69	75	73	78	71	67	61	71	72	76	81	86	90	90	76	71	74.5
	MIN	52	47	53	47	47	52	56	60	62	63	64	46	41	51	52	54	50	51	49	56	49	48	50	53	51	53	53	59	63	56	55	53.0
RUGBY	MAX	75	75	69	68	74	85	85	85	88	86	82	78	77	76	72	68	78	75	80	76	74	64	74	78	81	84	89	93	93	87	75	78.8
	MIN	56	52	53	45	45	53	82	63	62	66	66	49	44	56	57	52	48	55	52	58	51	48	52	52	53	56	58	60	62	56	54	54.7
SANISH	MAX	80	80	78	72	71	77	90	91	87	90	91	77	67	80	88	71	70	79	78	82	73	72	69	78	81	87	90	93	98	88	77	80.8
	MIN	54	56	54	38	37	49	49	62	59	61	59	48	37	37	53	45	43	48	45	51	46	46	41	46	48	51	41	52	59	41	49	48.5
SHARON	MAX	77	74	74	63	76	81	80	84	88	80	77	71	74	74	70	73	77	74	80	70	70	64	72	80	81	85	86	86	89	80	75	76.9
	MIN	57	50	55	54	54		83	59	63	66	64	51	41	54	56	50	53	54	54	58	53	50	52	52	57	59	60	60	66	58	56	56.0
STANLEY	MAX	78	73	77	69	78	87	89	89	86		74	64	78	82	78	69	74	72	78	72	68	63	73	77	82	87	89	94	78	74	71	77.4
	MIN	56	53	47	45	47	50	56	59	82	58	50	46	43	49	48	51	47	52	49	50	47	43	47	47	49	50	51	58	54	49	51	50.5
STEELE	MAX	77	75	72	72	74	85	85	85	87	83	80	67	77	86	73	70	77	73	77	67	74	72	74	77	82	88	90	89	90	80	70	78.3
	MIN	54	49	47	45	45	49	59	64	59	62	63	50	40	49	56	48	45	52	50	50	49	46	48	50	52	54	54	55	61	54	50	51.9
TOWNER	MAX	78	75	70	69	71	86	86	82	88	86	82	70	77	75	66	68	77	74	79	76	70	64	74	78	82	86	90	93	93	82	68	77.9
	MIN	53	54	50	43	45	55	56	63	60	65	66	47	51	54	56	47	45	53	47	57	48	44	50	51	50	52	54	59	49	49	49	52.4
TURTLE LAKE	MAX		72	71	70	75	86	86	83	89	84	82	65	79	82	69	68	79	87	77	75	71	65	70	79	81	86	91	90	92	78	69	77.7
	MIN		40	43	44	42							39	40	39	37	44	40	44	40	51	45	45	51	52	53	55	57	58	62	53	53	47.0
UNDERWOOD 12 W	MAX	79	79	72	71	78	90	90	84	90	86	82	72	80	89	78	69	84	70	78	76	77	77	77	81	85	85	93	95	97	79	72	81.0
	MIN	54	52	52	42	41	48	59	59	58	54	66	48	41	45	54	45	43	48	48	56	47	51	54	47	46	48	48	57	70	51	52	51.1
UPHAM WILDLIFE REFUGE	MAX	75	76	71	86	76	86	86	85	89	86	83	74	76	72	65	69	79	77	80	76	70	65	75	78	81	86	90	93	96	82	70	79.1
	MIN	52	58	49	42	42	48	57	64	59	62	65	42	40	40	55	49	42	52	48	55	49	45	49	49	50	53	55	55	59	53	51	51.3
VALLEY CITY	MAX	78	74	73	70	76	85	85	83	90	85	80	79	77	84	82	76	78	77	81	80	77	76	73	81	81	87	91	92	95	87	73	80.8
	MIN	56	48	52	48	49	50	60	60	61	67	67	52	45	53	57	52	51	52	54	53	51	50	52	49	52	51	54	57	62	57	57	54.2
VAN HOOK	MAX	80	78	77	72	77	89	90	88	90	85		78	82	90	72	70	79	75	80	71	68	68	78	80	85	89	92	96	93	77		81.0
	MIN	56	55	50	39	41	52	61	65	61	65		48	42	50	55	46	42	52	47	47		45	47	45	52	49	53	58	63	48		51.2
VELVA	MAX	73	75	69	67	75	85	87	85	86	85	80	74	76	78	70	65	75	72	78	75	67	64	74	75	79	85	87	92	91	79	76	77.4
	MIN	55	55	54	45	45	52	62	67	64	67	68	48	46	53	58	51	50	51	49	59	53	49	53	53	53	50	53	58	60	56	55	54.6
WAHPETON STATE SCHOOL	MAX	81	78	79	75	76	84	84	77	83	80	79	71	75	81	81	77	79	79	79	77	82	80	76	82	83	82	88	88	91	83	79	80.3
	MIN	58	49	55	45	45	53	59	64	65	62	65	57	42	55	64	51	58	54	55	56	55	50	50	50	57	57	60	65	64	64	58	56.2
WASHBURN	MAX	78	79	73	71	75	89	86	85	88	83	82	75	78	85	82	68	77	75	76	75	72	68	75	79	82	85	92	90	92	79	72	79.5
	MIN	56	56	53	46	48	56	63	88	63	66	66	50	47	52	58	52	50	54	53	59	51	48	52	53	56	55	60	63	66	53	54	55.7
WATFORD CITY	MAX	81	78	74	73	80	90	94	89	90	95	80	67	81	88	72	66	78	77	81	74	72	71	76	82	86	90	94	97	83	73	74	80.8
	MIN	56	56	49	43	44	52	58	64	63	67	65	47	43	49	53	49	47	54	52	60	47	46	50	49	49	52	52	55	61	47	50	52.5
WESTHOPE	MAX	75	72	70	67	74	85	86	80	85	87	80	66	79	70	61	71	77	80	76	72	68	65	75	76	82	85	87	92	91	77	72	76.9
	MIN	55	55	51	45	48	53	60	64	63	65	58	47	46	55	54	53	49	54	52	57	51	50	50	51	53	55	58	58	62	55	55	54.3
WILLISTON W8 CITY	MAX	81	77	71	70	78	88	92	87	89	94	77	66	80	85	66	68	76	77	81	73	69	66	73	81	88	88	92	97	77	70	73	79.0
	MIN	59	57	52	44	45	55	60	66	62	66	59	49	50	53	55	54	53	55	54	56	52	48	52	50	55	55	57	62	55	51	51	54.6
WILLOW CITY	MAX	76	74	70	68	74	84	85	80	89	85	79	66	77	67	63	69	77	74	78	69	68	64	73	77	80	84	87	91	91	78	66	76.2
	MIN	55	50	52	44	45	49	58	61	58	63	85	49	44	55	54	50	49	51	47	58	51	47	50	52	50	49	52	56	55	55	53	52.5
WILTON RR STATION	MAX	79		77	71	69	75	84	85	83	90	85	81		78	84	69	85	78	61	74	73	72	68	73	77	79	83	91	88	90	78	77.9
	MIN	55		51	46	48	50	58	63	59	61	60	53	46	48	56	44	48	53	50	54	49	47	49	52	55	54	54	56	61	50	49	52.8
WISHEK	MAX	78	77			78	74	84	88	84	85	80	80	64	76	86		75	78	70	78	72	78	75	72	75	82	86	90	90		88	79.4
	MIN	57	53			44	46	60	64	59	65	64	48	41	48	59		44	51	49	58	48	39	48	48	49	48	53	54	63		51	52.2

Table 6

EVAPORATION AND WIND

Station		Day of month																													Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
a Dickinson Exp. Sta.	EVAP	.13	.14	.22	.24	.24	.25	.22	.24	.16	.36	.26	.23	.19	.17	.28	.15	.12	.14	.15	.24	.25	.30	.29	.16	.18	.19	.21	.27	.29	.29	.16	6.72
	WIND	110	70	105	105	60	80	90	70	140	40	180	200	150	80	140	75	135	70	75	165	130	160	130	70	55	55	50	55	105	160	175	3285
a Mandan Exp. Station	EVAP	.11	.16	.13	.24	.22	.15	.21	.16	.10	.20	.26	.35	.29	.18	.20	.20	.11	.15	.05	.16	.15	.23	.25	.13	.11	.14	.18	.31	.21	.35	.29	5.98
	WIND	104	99	72	126	97	46	138	78	26	68	159	177	144	62	116	115	52	49	63	135	89	117	154	93	22	27	38	96	70	169	126	2927
Riverdale	EVAP	.18	.34	.16	.24	.28	.29	.49	.34	.19	.24	.40	.53	.15	.21	.17	.55	*	.18	.00	.30	.13	.31	.14	.21	*	.80	.31	.31	.54	.25	.53	8.77
	WIND	89	96	84	93	62	97	150	125	74	112	192	195	96	87	138	106	52	89	91	192	123	146	144	65	43	62	67	76	149	174	102	3371

a Pan 6 feet in diameter; 24 inches deep; in ground 20 inches.

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time Temp.	Observation time Precip.	Observer	Refer to tables
ADAMS 7 9	0022	WALSH	10	48 20	88 06			7A	MYRA J BOTA	3
ALEXANDER RR STATION	0096	MC KENZIE	13	47 50	103 38	1200		8A	ARTHUR J BAUMAN	3
ALWONT 7 SW	0136	MORTON	4	46 43	101 38	2300	7P	7P	HOGAN RANSLAND	2 3 5 7
ALPHA 1 S	0149	GOLDEN VALLEY	7	46 37	103 49			7P	B A BURY 48	3
AMENIA	0196	CASS	11	47 00	87 13	960	SS	3S	VIRGIL L GEBEKE	2 3 5 7
ANIDON	0209	SLOPE	1	46 30	103 19	2810	5P	5P	TOFIELD ZUNDEL	2 3 4 5
ARVILLA STATE PARK	0389	GRAND FORKS	10	47 56	87 30	960	6P	6P	ALBERT THOREN	2 3 5
ASHLEY	0382	MC INTOSH	B	46 02	88 22	2025	8A	8A	900 LINE AGENT.	2 3 4 5 7
BALDHILL DAM	0450	BARNES	11	47 02	98 08	1300	8A	8A	F A JOHNSON	2 3 5
BALFOUR	0482	MC HENRY	12	47 57	100 32	1615		MID	RAYMOND E WELLER	3 4
BEACH	0590	GOLDEN VALLEY	7	46 55	104 01	2814	7A	7A	LUTHER F BODGIN	2 3 4 5 7
BELCOURT INDIAN RES	0626	ROLETTE	9	48 50	99 45	1960	7P	7P	TURTLE MT INDIAN AG	2 3 4 5
BELFIELD	0638	STARK	4	46 52	103 11	2592	7P	7P	CARL INDERGAARD	2 3 5
BEULAH	0766	MERCER	6	47 16	101 47	1780		7P	KNIFE RIV COAL CO	3 4
BISBEE	0796	TOWNER	2	48 37	99 22	1600	6P	6P	ROBERT J KRICK	2 3 5
BISMARCK WB CITY	0814	BURLEIGH	8	46 48	100 48	1670	5P	5P	U S WEATHER BUREAU	2 3 5
BISMARCK WB AIRPORT	0819	BURLEIGH	8	46 48	100 45	1850	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
BOTTINEAU	0841	BOTTINEAU	12	48 50	100 27	1638	4P	4P	N D SCHL OF FRSTRY	2 3 5
BOTTINEAU STATE PARK	0846	BOTTINEAU	12	48 56	100 22	2160	6P	6P	PARK SUPT	CLOSED
BOWBELLS RR STATION	0961	BURKE	12	48 48	102 15	1958	8A	8A	CHARLES KAUFMAN	2 3 5
BOWMAN COURT HOUSE	0895	BOWMAN	3	46 11	103 23	2872	5P	5P	O B BOOK	2 3 4 5
BREIEN	1052	MORTON	1	46 24	100 57	1720		MID	FRANK E POTTER	3 4
BUTTE	1225	MC LEAN	12	47 50	100 40	1880	5P	5P	ART F PETERSON	2 3 5
CARRINGTON	1360	FOSTER	5	47 27	99 08	1579	7A	7A	900 LINE AGENT	2 3 5
CARSON	1365	GRANT	4	46 25	101 34	2300		MID	VINCENT MUGGLI	3 4
CARSON 2 SW	1370	GRANT	4	46 23	101 35	2500	7P	7P	J W EVENS	2 3 5 7
CAVALIER POWER PLANT	1435	PEMBINA	9	48 48	97 38	894	5P	5P	CITY LIGHT & POWER	2 3 5
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P	FRED L HEINZ	2 3 5 7
COLGATE	1688	STEELE	10	47 14	97 39	1180		6P	O M JENSEN	3
COOPERSTOWN	1766	GRIGGS	11	47 26	98 07	1428	5P	5P	B J LOCKNER	2 3 5
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523		6P	G B HANAWALT	3
CROSBY	1871	DIVIDE	12	48 54	103 18	1954	7A	7A	VERNON V NICHOLS	2 3 4 5 7
DAWSON	2018	KIDDER	8	46 52	99 45	1730		MID	RALPH W WISE	3 4
DEVILS LAKE WB CITY	2158	RAMSEY	2	48 07	98 52	1471	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
DICKINSON CAA AP	2183	STARK	4	46 48	102 48	2587	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A	LEROY MOOMAW	2 3 5 6
DRAKE	2298	MC HENRY	12	47 55	100 22	1634	7A	7A	PAUL KUNTZ	2 3 5 7
DUNN CENTER	2365	DUNN	6	47 21	102 37	2191	6A	6A	CHARLES C NEUSTED	2 3 5 7
DUNSEITH ST SANITARIUM	2385	ROLETTE	12	48 50	100 02	2001	5P	5P	N D STATE BOSP	2 3 5
EDMAN	2472	BOTTINEAU	12	48 39	101 03	1500	7A	7A	E R SHERMAN	2 3 5
EDGELEY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	6P	8P	N D AGRI EXP STA	2 3 4 5 7
EDMORE 1 W	2525	RAMSEY	2	48 25	98 28	1524	8P	8P	MIKE DAVIE	2 3 5
ELDOWOODS	2570	MC LEAN	8	47 35	102 09	2082	6P	6P	H W CASE	2 3 5
ELLENDALE	2605	DICKEY	5	46 00	98 31	1460	8P	8P	PAUL GRESS	2 3 5 7
EPPING	2735	WILLIAMS	8	48 18	103 21	2224	6P	6P	T EEACHLER	2 3 5
EDWOND	2767	BENSON	11	48 02	88 46	1650		MID	LYLE O FERING	3 4
FAIRFIELD 8 N	2809	BILLINGS	7	47 19	103 12	2850		6P	MRS EDITH LARSON	3
FARGO WB AIRPORT	2859	CASS	10	46 54	96 48	895	MID	MID	U S WEATHER BOREAD	2 3 4 5 7
FESSENDEN	2949	WELLS	5	47 39	88 37	1610	6P	6P	JOHN V ZUBER	2 3 5 7
FLASHER	3009	MORTON	1	46 27	101 14	1830		8A	GEORGE M SINCLAIR	3
FORMAN	3117	SARGENT	10	46 06	87 38	1249	8P	6P	ART WATERMAN	2 3 5 7
FORT YATES	3207	SIOUX	8	46 06	100 38	1640	ES	S8	STAND RE INDIAN AGY	2 3 4 5 7
FOXHOLM WILDLIFE REF	3217	WARD	12	48 27	101 33	1809	5P	5P	U S WILDLIFE REF	2 3 5
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P	F D ALIN	2 3 5
GACKLE	3309	LOGAN	5	46 38	89 08	1951	6P	6P	DAVID R HAMM	2 3 5
GARRISON	3376	MC LEAN	8	47 38	101 25	1911	MID	MID	GEORGE J MAHOWALD	2 3 5
GLEN ULLIN	3496	MORTON	4	46 49	101 49	2090		MID	LOUIS M GAUER	3 4
GOLVA 1 SE	3556	GOLDEN VALLEY	7	46 47	103 57	2780		MID	ISADORE MARQOLIES	3 4
GRAFTON STATE SCHOOL	3584	WALSH	10	48 25	97 26	827	5P	5P	DR J C LAMONT	2 3 5 7
GRAND FORKS CAA AP	3616	GRAND FORKS	10	47 56	97 05	834	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55	97 05	830	MID	7P	UNIVERSITY OF N D	2 3 5
GRANO	3676	RENVILLE	12	48 37	101 35	1625		MID	ROBERT J DECKER	3 4
GRANVILLE	3886	MC HENRY	12	48 16	100 51	1504	7P	7P	FRED ROBLE	2 3 5
GRENORA	3736	WILLIAMS	8	48 37	103 56	2114	5P	5P	L D NIELSON	2 3 5
HALLIDAY	3846	DUNN	6	47 21	102 20	2073		6P	JOHN KISSE	3 4
HANKINSON RR STATION	3908	RICHLAND	10	46 04	96 54	1068	7A	7A	900 LINE AGENT	2 3 5
HANNAFORD	3926	GRIGGS	11	47 18	88 12	1428		MID	BOMER A EENSON	3 4
BANNAH	3936	CAVALIER	9	48 59	98 41	1570	6P	6P	O E CUSTOMS OFFICE	2 3 5
HANSBORO	3963	TOWNER	9	48 57	99 23	1597	7P	7P	W E DISHER	2 3 5
HARVEY WATER WORKS	4013	WELLS	11	47 45	99 53	1596		6P	E J REYNOLDS	3
HAYNES 8 NE	4073	ADAMS	1	46 01	102 24	2640		MID	BYRON B BOBB	3 4
HAZELTON RR STATION	4083	EMMONS	8	46 29	100 17	1878		MID	EPHRAIN ZACHER	3 4
HETTINGER EXP FARM	4178	ADAMS	3	46 00	102 38	2675	6P	6P	EDWARD B BJORUW	2 3 4 5 7
BILLSBORO	4203	TRAILL	10	47 24	97 04	901	6P	6P	ALFRED JAHNKE	2 3 5
HURDSFIELD	4343	WELLS	5	47 27	99 55	1915		MID	MRS E RUTE BUCHWITZ	3 4
JAMESTOWN CAA AP	4413	STUTSMAN	5	46 55	98 41	1497	MID	MID	U S CIVIL AERO ADM	2 3 4 5 7
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53	98 40	1457	7P	7P	N D STATE NOSPITAL	2 3 5
KENMARE	4646	WARD	12	48 40	102 05	1800	8A	8A	THEO E ECKBERG	2 3 4 5
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	12	47 15	99 02	1440	7P	7P	H E GILLIES BEF	2 3 5
KRAMER 5 SE	4823	BOTTINEAU	12	48 39	100 37			MID	PAUL A KRETSCHMAR	3 4
LA MOURE	4937	LA MOURE	5	46 21	98 18	1382	7P	7P	ANDREW REMICK	2 3 5
LANGDON EXP FARM	4958	CAVALIER	9	48 45	98 21	1615	5P	5P	V STURLAUGSON	2 3 5 7
LARIMORE	5013	GRAND FORKS	10	47 54	97 38	1134	7P	7P	ELEM PETERSON	2 3 5
LEEDS	5078	DENSON	2	48 17	99 26	1515	7P	7P	JOHN FAGER	2 3 5
LINTON	5210	EMMONS	8	46 16	100 14	1711	8P	8P	WM HEYERMAN	2 3 5 7
LISBON	5220	RANSOM	11	46 26	97 41	1091	7A	7A	ROBERT M JODSAAS	2 3 5 7
MADDOCK AGR SCHOOL	5434	BENSON	11	47 58	99 30	1604	6P	6P	EENSON CY AGR SCHL	2 3 5
MANDAN EXP STATION	5478	MORTON	4	46 48	100 54	1750	8A	8A	NO G P FIELD STA	2 3 4 5 6
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 47	100 52	1700	6P	6P	PARK SUPT	2 3 5
MANNING	5519	DUNN	6	47 14	102 46			8P	MISS JEANETTE DAWES	3
MARMARTH	5573	SLOPE	7	46 18	103 55	2714	6P	6P	S P GRANE	2 3 5 7
MARTIN	5610	SHERIDAN	11	47 50	100 07	1610		6P	JOHN W MAGHUSON	3
MAX	5638	MC LEAN	8	47 49	101 17	2093	7A	7A	900 LINE AGENT	2 3 5
MAYVILLE	5660	TRAILL	10	47 30	97 19	975	8P	6P	B A RAGAZ	2 3 6 7
MC CLOSKY	5710	SHERIDAN	8	47 29	100 29	1943	11A	11A	J A EAMILTON	2 3 5 7
MC GREGOR RR STATION	5720	WILLIAMS	8	48 36	102 56			MID	HARTVIN B HERMANSON	3 4
MC HENRY 5 N	5730	EDDY	11	47 36	98 35	1508	8P	8P	C E ELASKY	2 3 5 7
MC LEOD 3 E	5754	RICHLAND	11	46 24	97 14	1075	7P	7P	J G CARLSON	2 3 5
MC VILLE	5764	NELSON	10	47 46	98 11	1467		6P	H B KNIEFEL	3
MEDINA 1 W	5798	STUTSMAN	8	46 53	99 19			6P	RUDOLPH GRAF	3

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time Temp.	Observation time Precip.	Observer	Refer to tables
MEDORA STATE PARK	5808	BILLINGS	7	46 53	103 33	2271	5P	5P	PARK SUPT	CLOSED
MEDORA TRNMP	5813	BILLINGS	7	46 58	103 30	2250	5P	5P	US FOREST SERV	2 3 5 7
MELVILLE	5833	FOSTER	5	47 20	89 02	1625		MID	EDGAR S STEGMEIER	3 4
MINOT CAA AP	5988	WARD	12	48 15	101 17	1724	MIDNID	U S CIVIL AERO ADM	2 3 4 5 7
MINOT EXP FARM	5993	WARD	12	48 10	101 18	1720	6P	8P	N C AGRI EXP ST	2 3 5
MOFFIT RR STATION	6015	BDRLEIGE	8	46 41	100 18	1760		9A	SOO LINE AGENT	3
MOHALL	6025	RENVILLE	12	48 46	101 31	1639	9P	9P	IVER JOHNSON	2 3 5 7
MONTPELIER	6105	STUTSMAN	5	46 42	98 35			8A	ROLF RANSON	3
MOTT	6155	HETTINGER	1	48 23	102 20	2420	SS	SS	FOREST E COFING	2 3 4 5 7
MUNICB 4 SW	6195	CAVALIER	2	48 38	98 53	1598	7P	7P	HARDLD FELDNER	2 3 5
NAPOLEON 1 SE	6255	LOGAN	8	46 29	99 45	1955	7P	7P	GLADYS J PETERSON	2 3 4 5 7
NEW ENGLAND	6315	HETTINGER	1	46 33	102 52	2621	5P	5P	ADNA S MATCH	2 3 5
NEW ROCKFORD	6950	EDDY	5	47 41	98 08	1555		8P	VALENTINE A RIEDER	3
NEW ROCKFORD 6 NW	6355	EDDY	5	47 44	89 15	1550		6P	RICHARD STEINBACH	3
NEW SALEM 1 S	6365	MORTON	4	46 50	101 25	2163	6P	6P	WM F GAEBE	2 3 5
OAKES	6620	DICKEY	5	46 08	98 05	1320	8A	8A	C M HAGEN	2 3 4 5
OMEMEE 3 SE	6703	BOTTINEAU	12	48 38	100 20			MID	ARTNUR B VOLLMER	CLOSED
PARK RIVER	6857	WALSH	1	48 23	97 45	998	5P	5P	MARTIN SEVERSON	2 3 5
PARSHALL	6867	MOUNTRAIL		47 57	102 08	1929	6P	6P	C E SHUBERT	2 3 5
PEMBINA CAA AP	6947	PEMBINA	1	48 57	97 15	792	MIDMID	U S CIVIL AERO AOM	2 3 4 5 7
PETERSBURG	7027	NELSON	1	48 01	98 00	1524	7P	7P	T C OVERLAND	2 3 5 7
PETTIBONE	7047	KIOOER		47 07	99 31	1860	7P	7P	L N OETHLOFF	2 3 5 7
PORTAL	7201	BURKE	12	49 00	102 33	1954	9A	9A	U S CUSTOMS SER	2 3 5 7
POWERS LAKE	7281	BURKE	8	48 34	102 39	2205	5P	5P	E J LEWIS	2 3 5
PRETTY ROCK	7311	GRANT	1	46 11	101 51			6P	FREDA LEER	3
RAUB	7405	MC LEAN	8	47 44	102 04			MID	ALVIN LARSON	3 4
REEDER 14 N	7452	SLOPE	1	46 18	102 57	2860		8A	CHAS M METZINGER	3
RICHARDTON ABBEY	7530	STARK	4	46 53	102 19	2467	5P	5P	ASSUMPTION ABBEY	2 3 4 5
RIVERDALE	7585	MC LEAN	8	47 30	101 24	1910	5P	5P	CORPS OF ENGINEERS	2 3 4 5 8
ROLETTE	7655	ROLETTE	12	48 40	99 50	1625	MIDMID		GEORGE F GEHRES	3 4
ROLLA	7664	ROLETTE	9	48 52	98 37	1860	7P	7P	TNEO B FAGERLUNO	2 3 5
RUGBY	7704	PIERCE	12	48 22	100 00	1560	6P	6P	FRANK HORNSTEIN	2 3 5
RYDER	7749	WARD	8	47 55	101 40	2108		8A	S C SCHELLENBAUM	3 4
SANISB	7834	MOUNTRAIL	8	47 59	102 32	1835	7A	7A	H J EUGGE	2 3 5
SARLES	7844	CAVALIER	9	48 57	99 00	1585		MID	CLARENCE J OLSON	3 4
SEARING	7944	MC KINZIE	13	47 34	103 48			MID	CLOSED ---------	12-5-49
SELFRIDGE 11 W	7952	SIOUX	8	46 01	101 10	2183		7P	L E WILSON	3
SHARON	7986	STEELE	10	47 30	97 54	1516	8P	8P	NUGN LYON	2 3 5 7
SHERWOOD	8047	RENVILLE	12	49 00	101 38	1647		6P	U S CUSTOMS SERV	3
SBEYENNE	8057	EDDY	11	47 50	99 07	1500		MID	ALVIN E SODERHOLM	3 4
STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2260	7P	7P	LEROY EDWARDS	2 3 4 5 7
STEELE	8366	KIDDER	8	46 51	99 55	1857	8P	8P	LEON V LESNER	2 3 5 7
TAGUS	8627	MOUNTRAIL	12	48 20	101 56	2179		6P	GEORGE N PILGARD	3
TIOGA	8737	WILLIAMS	8	48 24	102 56	2279		6P	L A SIMON	3
TOWNER	8792	MC HENRY	12	48 21	100 24	1482	7P	7P	AUGUST B RIEDER	2 3 5
TROTTERS	8807	GOLDEN VALLEY	13	47 20	103 54	2419		5P	WALTER GRUNEWALD	3
TURTLE LAKE	8840	MC LEAN	8	47 31	100 53	1899	8P	8P	A S HAAS	2 3 5
TUTTLE 8 SW	8850	KIODER	8	47 03	100 04	1936		8P	ADAM LENO	3
UNDERWOOD 12 W	8877	MC LEAN	8	47 26	101 24	1750	6P	6P	MRS F W MATTOON	2 3 5
UPBAW WILDLIFE REFUGE	8913	MC HENRY	12	48 37	100 44	1425	5P	5P	U S WILDLIFE REF	2 3 5 7
VALLEY CITY	8937	BARNES	11	46 55	98 00	1229	6P	6P	MISS I C ROBERTSON	2 3 5
VAN HOOK	8970	MOUNTRAIL	8	47 57	102 21	1864	9P	9P	ERWIN A VENTSCH	2 3 5
VELVA	8990	MC HENRY	12	48 03	100 55	1511	6P	6P	OSCAR ANDERSON	2 3 5 7
VERONA	9035	LA MOURE	5	46 22	98 04			10A	LOUIS J MANDSON	3
WAHPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962		MID	VICTOR BURTON	3 4
WAHPETON STATE SCHOOL	9100	RICHLAND	10	46 18	96 38	862	5P	5P	ST SCH OF SCIENCE	2 3 5 7
WALHALLA	9155	PEMBINA	9	48 56	97 54	950		7P	PETER KAI JMANE	3
WASHBURN	9195	MC LEAN	8	47 17	101 02	1731	6P	6P	FRED F JEFFERIS	2 3 5
WATFORD CITY	9233	MC KENZIE	8	47 48	103 17	2084	8P	8P	J C ZELLER	2 3 5 7
WESTHOPE	9333	BOTTINEAU	12	48 55	101 01	1508	6P	6P	REV R CAREY	2 3 5
WILDROSE	9400	WILLIAMS	8	48 38	103 10	2258		6P	JONATRAN WINKJER	3
WILLISTON WB CITY	9425	WILLIAMS	8	48 08	103 35	1877	MID	MID	U S WEATHER BUREAU	2 3 4 5 7
WILLOW CITY	9445	BOTTINEAU	12	48 34	100 17	1471	8P	8P	O M SANDERSON	2 3 5
WILTON RR STATION	9455	MC LEAN	8	47 09	100 48	2159	8A	8A	SOO LINE AGENT	2 3 5
WISNEK	9515	MC INTOSH	8	46 17	99 34	2010	8A	8A	H W LARSON	2 3 5

NEW STATIONS

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time Temp.	Observation time Precip.	Observer	Refer to tables
FRYBURG	3277	BILLINGS	4	46 53	103 18	2790		7A	HERMAN J MAY	3
TROTTERS GEN STORE	8612	GOLDEN VALLEY	13	47 20	103 54	2420		MID	EUGENE A RUSSELL	3 4
LEFOR 10 E	5088	STARK	4	46 38	102 21	2580		5P	JOSEPH LINK	3
AMBROSE	0189	DIVIDE	12	48 58	103 28	2060		6P	RONALD L RANSON	3
ANTLER	0263	BOTTINEAU	12	48 58	101 20	1540			W H WEGNER	3 4
BERTHOLD	0729	WARD	12	48 19	101 44	2080		6P	JOSEPH S COX	3
COLUMBUS	1696	BURKE	12	48 54	102 47	1930		6P	J D SUNDELL	3
DONNYBROOK	2242	WARD		48 31	101 53	1760		6P	WILLIAM BOWMAN	3
FLAXTON	3019	BURKE		48 54	102 23	1940		6P	PALMER M DUNHAM	3
GLADSTONE 22 N	3446	DUNN		47 11	102 39				RICHARD BAILEY	3 4
GRASSY BUTTE	3696	MC KENZIE		47 24	103 14	2660			SAM CHARCHENKO	3 4
HALEY	3836	BOWMAN		48 58	103 08				J E CRAWFORD	3 4
KILLDEER 8 NW	4726	DUNN		47 26	102 53	2240		7A	LEONARD J DAVIS	3
LANSFORD	5002	BOTTINEAU		48 38	101 22	1600		6P	C L MC KEEN	3
MARMARTH M D U CD	5575	SLOPE		46 18	103 55	2710			E B JESTNES	3 4
NOONAN	6455	DIVIDE		48 53	103 01	1860		6P	GEORGE KOSTEK	3
NORTHGATE	6535	BURKE		49 00	102 16	1850			U S COSTOMS STATION	3 4
REEDER	7450	ADAMS		46 06	102 57	2810		6P	HENRY A DONNER	3
WASHBURN WATER WORKS	9205	MC LEAN		47 17	101 02	1730			WASHBURN WATER WORKS	3 4
ZAHL	9635	WILLIAMS		48 34	103 41	2000		6P	OLA BEVERTSEN	3
DALTA	0500	PIERCE	11	48 10	100 02			6P	NICK SCHAAN	3
SANTRY	0516	MC HENRY	12	48 30	100 36			6P	TEMPLE K ROBERTS	3
CANDO	1286	TOWNER	2	48 29	99 12				RARRY E HARRIS	3 4
ELGIN S S	2592	GRANT	1	46 21	101 49			6P	ART A ESLINGER	3
SHIELD	8065	GRANT	1	46 14	101 07			6P	EDWIN D CARLSON	3
TOLLEY 4 NE	8764	RENVILLE	12	48 46	101 47			6P	CARMIE NELSON	3
WATAUGA 8 N, S DAK	9219	GRANT	1	46 02	101 34			6P	JOHN C SPICER	3

‡ DRAINAGE CODE: 1. Cannonball 2. Devills Lake 3. Grand 4 Esart 5 James 6 Knife 7 Little Missouri 0 Missouri 9 Pembina 10 Red 11 Sheyenne 12 Sourle 13 Yellowstone

Reference Notes for this Issue may be found on Page 109

Nat. Hist.

1951

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

NORTH DAKOTA

AUGUST 1950
Volume LIX No. 8



KANSAS CITY: 1950

NORTH DAKOTA - AUGUST, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

With a mean temperature of 64.1 degrees, 2.9 degrees below normal, the month was the coldest August since 1927. The eastern division was 2.8 degrees below normal with a mean temperature of 64.2 degrees. The middle division averaged 64.0 for 2.9 degrees below, and the western division came up with 64.1 for 2.9 degrees below the normal. The highest temperatures of the month were recorded from about the 6th to the 10th. Fort Lincoln State Park at Mandan recorded the highest temperature in the state with 97 degrees on the 6th. This is the first August since 1927 in which the maximum temperature has not reached the 100 mark sometime during the month. The lowest temperatures of the month generally occurred in the period from the 17th to the 20th. The lowest temperature reported in the state was 29 degrees at Dunn Center on the 19th and at Medora on the 19th and 20th. Frost occurred at many points throughout the state during that period but was most severe in the southwest portion.

In spite of a cool month precipitation averaged below normal. The average for the state was 1.49 inches or .58 inch below the normal. The eastern division was the most deficient with 0.94 inch for the average or 1.57 inches below normal. The middle division was .19 inch below the normal with 1.83 inches and the western division was .05 inch above the average with 1.71 inches. The heaviest precipitation was reported in the extreme south-central, west-central and north-central portions of the state where many stations reported considerably above normal rainfall. Fairfield in Billings County reported 5.73 inches for the greatest amount of rain. The least rainfall was reported in the southeast section of the state. McLeod in Richland County went through the month without recording any precipitation. Considerably less than normal hail was reported during the month.

Due largely to the cool weather, crops generally made good progress during the month in spite of deficient rainfall in many areas. Crops in the eastern part of the state, however, suffered some damage from lack of rainfall. By the end of the month topsoil moisture was becoming short over a large portion of the state. Subsoil moisture was generally good throughout the month except in a few scattered areas. Black stem rust developed in wheat during the month with quite heavy damage reported from a number of counties in the northeastern part of the state, moderate to heavy damage in central areas and none to only light damage in the southwest. Frost on the 19th and 20th caused quite widespread damage to crops, especially corn. However, wheat in a few north-central counties showed some damage from frost. Quite a bit of corn was cut for silage and fodder as a result of the freezing temperatures. Harvesting did not get under way until after the middle of the month in the south and towards the end of the month in the north portions of the state. About one-third of the wheat had been cut by the end of the month. A little over half of the oats and barley and about one-third of the flax had been harvested. The southeastern counties were the most advanced and perhaps more than three-fourths of the crop had been threshed or combined. In some northern counties the wheat harvest had hardly started by the end of the month while oats and barley were perhaps one-third to one-half done.

No severe storms were reported during the month. There were scattered reports of hail storms but damage was unusually light.--CJS

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative wsatber stations, tbis hulletin series contains records from Bydroclimatic Network Stations which were formerly reproduced in the Bydrologic Bulletin Seriee. The Bydroclimatic Nstwork ie a nationwide net of rain gages --mostly of ths rscording type wbich produce continuous records of precipitation. It was estahlisbed in 1939 at the request of the Corps of Engineers, Department of tbe Army, to supplement existing precipitation stations in order to provide records of rainfall intensity whicb wsre essential to the planning of flood control and rslated works hy the Corps of Engineers. Tbis Network, now numhering ahout 2,000 recording, and 1,000 non-recording rain gagee, bas bssn maintainsd by ths Weather Bureau through working funds transferred annually to the Weather Bureau by tbe Corps of Engineere. These transfsrs averaged about $250,000 per year hetween 1940 and 1944, and nearly $375,000 since that date. For ths ysars 1940-42, tbe Department of Agricultus transferred about $100,000 per year to provids data required in its work, and sincs 1947 the Bureau of Rsclamation hae transfsrrsd about $25,000 per year to mest the increasing needs of their program in tbe Weetern States.

Previous to tbe introduction of this bulletin seriee, data from Bydroclimatic Network statione wers presented in hulletine (Bydrologic Bulletins) wbicb were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Nstwork was estahlisbed to meet the internal requirements of ths Federal agenciee rsferrsd to above, no provision was made for public dissemination of ths data, distrihution heing limited to cooperating agencies and to certain puhlic repositories. A list of locations where rsference copies of the Bydrologic Bulletin Series are availahle for inspection may he obtained upon application to Chief, U. S. Weatber Bureau, Wasbington 25, D. C.

Many other records published in this hulletin bavs heen made available through tbe coopsration of various puhlic offices, privats agenciee, and individuals as listed in ths Station Index.

SUPPLEMENTAL DATA

NORTH DAKOTA
AUGUST 1950

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismarck WB AP	E	11	8.6	56	SE	5	76	89	47	45	5	7	3	0	0	0	15	71	5.2	See Table 2
Devils Lake WB City	-	-	7.2	30	NW	18	-	-	-	-	4	3	6	0	0	0	13	77	4.3	
Fargo WB AP	ESE	12	11.5	35	NW	18	76	84	49	44	8	8	1	0	0	0	15	64	5.7	
Williston WB City	-	-	6.1	28	W	4	77	86	53	51	5	3	6	0	0	0	14	76	6.5	

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1882	67.3	105	24	2.39	0	8
1883	66.7	109	29	1.31	0	3
1884	68.8	102	30	1.14	0	4
1885	64.5	104	24	1.57	0	5
1886	64.7	107	21	1.12	0	5
1887	64.1	108	29	1.18	0	5
1888	65.4	104	24	1.69	0	5
1889	65.2	87	32	2.83	0	6
1900	70.4	114	33	5.06	0	10
1901	66.8	100	32	1.77	0	6
1902	64.3	86	26	2.30	0	8
1903	63.7	103	35	4.68	0	10
1904	63.3	102	31	1.61	0	6
1905	67.5	107	34	2.43	0	7
1906	66.3	105	31	1.84	0	7
1907	64.5	104	26	1.73	0	6
1908	63.2	104	25	2.16	0	7
1909	69.8	109	27	2.23	0	6
1910	63.1	109	24	1.46	0	5
1911	62.2	98	23	3.21	0	8
1912	63.4	118	32	2.88	0	10
1913	68.9	106	30	2.63	0	6
1914	64.2	101	26	2.29	0	7
1915	64.4	100	19	1.18	0	4
1916	66.0	100	26	2.67	0	8
1917	65.2	105	32	0.82	0	6
1918	66.5	102	34	3.38	0	8
1918	67.9	101	30	1.58	0	5
1920	68.8	108	28	1.53	0	5
1921	67.2	108	31	1.98	0	6
1922	68.8	115	33	1.31	0	6
1923	63.0	97	28	1.84	0	8
1924	63.8	102	28	1.57	0	6
1925	67.9	110	29	1.04	0	5
1926	65.6	105	36	2.37	0	7
1827	63.4	96	28	3.13	0	8
1928	64.8	105	25	3.09	0	8
1829	68.5	106	26	0.77	0	4
1930	70.4	104	32	1.45	0	6
1831	67.0	105	30	2.09	0	6
1932	68.3	100	28	1.89	0	7
1933	68.5	104	31	0.75	0	5
1934	67.4	108	25	1.15	0	5
1935	66.2	109	26	2.35	0	8
1936	68.8	110	29	1.40	0	6
1937	72.9	109	40	1.52	0	5
1938	69.8	109	33	1.50	0	6
1939	68.6	105	32	2.10	0	7
1940	67.8	103	33	2.05	0	7
1841	68.8	111	32	2.86	0	10
1942	66.3	105	33	3.09	0	9
1943	67.7	104	31	2.61	0	8
1944	65.6	102	34	4.37	0	11
1945	67.1	105	32	1.68	0	6
1946	65.2	104	29	1.62	0	7
1947	70.9	110	34	2.67	0	9
1948	68.8	103	35	1.83	0	8
1949	71.2	111	30	0.99	0	4
1950	64.1	97	29	1.49	T	7
Period	66.7			2.05	T	

CLIMATOLOGICAL DATA

Table 2

Station	Temperature									Precipitation								
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																			
Amenia	64.5		93	8	34	20	87	2	0	.90		.60	24	.0	0		6	1	0
Arvilla State Park			89	6	33	25		0	0	1.51		.62	8	.0	0		7	2	0
Baldhill Dam	63.7		93	9	32	20	99	3	1	.84		.30	24	.0	0		8	1	0
Carrington	63.3	- 3.8	91	7	36	19		2	0	.97	- 1.10	.60	14	.0	0		5	1	0
Cavalier Power Plant	63.7	- 2.2	92	7	39	20+	100	2	0	.87	- 1.64	.23	24	.0	0		8	0	0
Cooperstown	62.4	- 5.0	91	6	37	20	135	2	0	1.21	- 1.40	.31	11	.0	0		5	3	0
Devils Lake WB City	63.4	- 1.4	90	6	37	19	111	1	0	1.23	- 1.25	.37	11	.0	0		9	2	0
Edgeley Exp Farm	64.5	- 3.2	92	8	35	20+	84	3	0	.32	- 2.03	.16	11	.0	0		6	0	0
Edmore 1 W	62.0	- 2.8	89	6	33	23	128	0	0	.51	- 1.82	.20	24	.0	0		4	0	0
Ellendale	66.9	- 1.8	94	8	38	20	50	4	0	.99	- 1.78	.61	14	.0	0		9	1	0
Fargo WB AP //	65.5	- .6	95	8	37	20	82	3	0	.42	- 2.47	.16	23	.0	0		7	0	0
Forman	65.9M	- 2.3	90	7+	35	20	64	2	0	1.06	- 1.69	.52	14	.0	0		4	2	0
Fullerton	66.6	- 1.4	93	7	37	20	61	4	0	.35	- 2.19	.16	24	.0	0		6	0	0
Gackle	64.9M	- 2.6					37		0	.62	- 1.73	.24	26	.0	0		5	0	0
Grafton State School	63.5	- 2.7	95	8	36	18+	105	1	0	1.24	- 1.28	.45	24	.0	0		7	2	0
Grand Forks CAA AP //	63.5	- 2.5	89	6	37	20+	105	0	0	.89	- 1.73	.39	24	.0	0		8	1	0
Grand Forks Univ	63.7	- 2.3	89	6+	37	23	106	0	0	1.11	- 1.51	.46	24	.0	0		10	2	0
Hankinson R R Sta.	65.4	- 5.3	92	17	40	25		2	0	1.38	- 1.37	1.25	7	.0	0		5	1	1
Hannah	61.2	- 2.9	87	6	35	23	147	0	0	.73	- 1.64	.23	24	.0	0		7	0	0
Hillsboro	63.3	- 4.9	90	7+	35	19	114	2	0	1.31	- 1.44	.49	24	T	0		7	2	0
Jamestown CAA AP //	63.7	- 3.2	91	8	35	20	96	1	0	1.07	- 1.48	.51	13	.0	0		6	1	0
Jamestown State Hosp	65.3	- 1.6	92	8	38	20	77	2	0	1.55	- 1.00	.93	13	.0	0		6	1	0
Kensal Wildlife	64.4		90	7+	34	25	83	2	0	1.07		.59	13	.0	0		5	1	0
La Moure	66.9		94	8	33	20	54	4	0	.40		.10	13+	.0	0		6	0	0
Langdon Exp Farm	61.3	- 2.4	88	6	34	20+	149	0	0	.60	- 1.87	.15	24	.0	0		9	0	0
Larimore	65.8	- .1	87	3+	39	20	74	0	0	.61	- 2.10	.23	23	.0	0		4	0	0
Lisbon	64.0M	- 3.8	95	9	32	20			1										
Mayville	64.8	- 3.1	90	7+	38	20+	76	2	0	.93		.46	24	T	0		5	1	0
Mc Henry 5 N	62.9	- 2.8	90	6+	37	19+	116	2	0	1.01	- 1.31	.40	13	.0	0		7	1	0
Mc Leod 3 E	65.8	- 2.7	91	7	35	20	67	2	0	.00	- 2.70			.0	0		0	0	0

See reference notes following Station Index.

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
Munich 4 SW	61.1		85	5+	34	19+	144	0	0	1.01		.29	26	.0	0		7	1	0
Oakes	66.3	- 2.8	93	8	36	20		5	0	.45	- 2.22	.23	7	.0	0		6	0	0
Park River	64.2	- 2.4	90	8	39	25	92	1	0	.97	- 1.33	.33	24	.0	0		8	1	0
Pembina CAA AP //	61.5	- 3.2	88	8	32	20	142	0	1	.81	- 1.48	.29	6	.0	0		8	2	0
Petershurg	63.6		90	8	36	23	108	1	0	.97	- 1.39	.28	13	.0	0		9	1	0
Sharon	64.2M	- 3.7	91	8	38	19	94	1	0	1.54	- .83	.55	29	.0	0		5	3	0
Valley City	64.7	- 3.0	91	8	33	20	73	2	0	.91	- 1.63	.42	23	.0	0		7	1	0
Wabpeton State School	66.9	- 1.8	89	16	38	20	39	0	0	2.42	- .45	2.35	7	.0	0		3	1	1
DIVISION	64.2	- 2.8								.94	- 1.57			T					
MIDDLE DIVISION																			
Asbley //	64.5	- 2.7	90	15	38	19+	90	1	0	1.98	- .46	1.12	10	.0	0		6	2	1
Belcourt Indian Ree	59.9		86	6	32	25	173	0	1	1.74		.60	13	.0	0		8	3	0
Bisbee	62.3	- 3.4	88	6	35	23	120	0	0	1.67	- .68	.77	13	T	0		8	1	0
Bismarck WB City	66.9	- 1.?	92	8+	38	19	52	5	0	1.18	- .45	.35	13	.0	0		12	2	0
Bismarck WB AP	66.5	- .2	93	6	37	20	54	4	0	1.11	- .71	.44	13	.0	0		10	2	0
Bottineau	62.5	- 2.4	89	30	32	23	118	0	1	1.66	- .79	1.05	13	.0	0		6	2	1
Butte	66.1	- 1.1	93	6	35	19	65	3	0	.98	- .96	.49	26	.0	0		5	2	0
Carson 2 SW	66.4	- 2.2	96	8	32	19	57	8	1	1.83	.17	.64	13	.0	0		8	3	0
Center	64.1	- 3.9	92	6	33	19	85	3	0	.95	- .76	.45	10	.0	0		6	1	0
Drake	64.8	- 2.8	93	8	35	19	82	2	0	1.92	- .10	.67	13	.0	0		7	3	0
Duneeith St. Sanitarium	61.7	- 2.9	85	6	34	23	131	0	0	1.64	- .72	.68	13	.0	0		8	2	0
Eckman	60.4	- 4.6	87	7	33	17+		0	0	1.80	- .08	.95	13	.0	0		7	3	0
Feesenden	64.5	- 2.2	92	6+	36	20	110	2	0	1.52	- .66	.67	13	.0	0		7	3	0
Fort Yates	66.3	- 3.4	93	6	38	19	65	1	0	4.20	2.31	1.70	13	.0	0		9	4	1
Foxholm Wildlife	64.2	- 2.4	89	6	38	19	76	0	0	2.60	.62	2.17	13	.0	0		9	1	1
Garrison	64.3	- 2.3	92	6+	34	19	84	2	0	1.95	.01	.71	12	.0	0		8	3	0
Granville	63.6	- 2.1	89	8	34	19	97	0	0	1.53	- .34	.45	18	.0	0		8	3	0
Hansboro	60.1M	- 3.4	87	6+	35	19+	134	0	0	1.10	- 1.22	.48	13	.0	0		7	1	0
Leeds	64.3		95	14	35	23+	92	1	0	1.68		.65	13	.0	0		6	3	0
Linton	67.1	- 3.0	93	6	34	20	49	3	0	2.87	.79	.72	10	.0	0		9	6	0
Maddock Agr School	63.6	- 2.9	90	6	37	19	97	1	0	1.31	- 1.00	.53	13	T	0		7	3	0
Mandan Exp Station	65.2	- 3.7	93	7	37	20		3	0	2.46	.88	1.51	7	T	0		7	2	1
Mandan Ft. Lincoln	87.6		97	6	35	19	44	7	0	.92		.29	12	.0	0		7	2	0
Max	63.7	- 3.7	91	7	35	19	101	2	0	1.87	- .01	.79	13	.0	0		9	3	0
Mc Clusky	65.1M	- 2.1	91	6	36	19	69	2	0	1.97	.04	.69	13	.0	0		9	2	0
Minot CAA AP //	63.2	- 2.4	89	8	37	17	109	0	0	1.56	- .36	.88	13	T	0		11	2	0
Minot Exp Farm	63.9		87	6+	34	19	94	0	0	3.97		1.97	12	T	0		10	3	2
Mohall	62.1	- 2.7	86	6	33	23	120	0	0	3.18	1.27	1.79	13	.0	0		6	4	1
Napoleon 1 SE	65.4	- 1.7	92	15	36	19	65	2	0	1.43	- .77	.55	29	.0	0		6	2	0
New Salem 1 S	65.1	- 2.8	95	6	35	19	79	6	0	.59	- 1.14	.37	10	.0	0		7	1	0
Pettibone	64.7	- 3.8	91	6+	38	19+	85	2	0	1.71	- .44	.57	13	.0	0		7	2	0
Riverdale	65.1		90	8	36	19	71	1	0	2.00		.53	12				10	4	0
Rolla	61.0	- 4.6	87	6	37	19+	149	0	0	2.08	- .41	.55	13	T	0		9	4	0
Rugby	64.8		91	6	37	19	89	1	0	1.89	- .11	.73	12	.0	0		5	4	0
Steele	63.7	- 3.6	93	6	33	19	94	2	0	2.80	.62	1.88	13	.0	0		9	2	1
Towner	62.8	- 3.4	91	6	33	17+	114	1	0	1.36	- .62	.62	13	.0	0		3	3	0
Turtle Lake	64.9M	- 2.4	90	6+	36	19	73	2	0	1.68	- .30	.45	26	.0	0		8	2	0
Underwood 12 W	64.9	- 3.4	92	6+	36	17	70	2	0	1.28	- .63	.50	13	.0	0		5	3	0
Upham Wildlife Ref	62.8		90	8	31	17+	108	1	3	1.29		.73	13	.0	0		6	1	0
Velva	63.5	- 3.3	89	6	37	19	92	0	0	1.26	- .96	.62	13	.0	0		10	2	0
Washburn	66.3	- 1.8	91	6+	36	19	53	2	0	1.51	- .12	.53	13	.0	0		6	3	0
Westhope					35	19				2.31	.30	1.40	13	.0	0		8	3	1
Willow City	61.9	- 2.3	88	6	33	20	123	0	0	2.33	.29	1.89	13	.0	0		3	2	1
Wilton R R Station	62.6	- 5.1	90	7	31	20		1	1	2.68	.97	.74	13	T	0		9	5	0
Wisbek	62.9M	- 4.1						2	0	1.05	- 1.14	.38	26	.0	0		7	2	0
DIVISION	64.0	- 2.9								1.83	- .19			T					
WESTERN DIVISION																			
Almont 7 SW	66.7		95	6+	34	19	57	6	0	1.09		.38	10	.0	0		11	1	0
Amidon	66.4	- 2.0	93	8	31	19	53	3	1	1.41	- .14	.43	10	T	0		5	4	0
Beach	64.5	- 2.7	91	3+	32	19	73	2	1	2.67	1.07	1.70	12	T	0		10	2	1
Belfield	65.1	- 2.9	92	8	31	19	77	2	1	1.23	- .58	.48	10	.0	0		8	2	0
Bowbells	62.4	- 2.4	92	16	31	19	114	1	3	2.53	.55	.91	5	.0	0		7	3	0
Bowman Court House //	64.8M	- 3.3	91	8+	33	19	77	3	0	1.79	.05	.72	12	T	0		10	3	0
Crosby	61.5	- 3.5	88	6	33	19		0	0	1.03	- .79	.30	13	.0	0		7	2	0
Dickinson CAA AP	64.7	- 1.8	92	8	32	19	75	1	1	.91	- .93	.56	10	.0	0		8	1	0
Dickinson Exp Sta	64.4	- 2.1	93	9	33	20		2	0	.87	- .97	.45	11	.0	0		7	1	0
Dunn Center	62.7	- 3.7	91	9	29	19		1	2	.83	- .83	.36	13	.0	0		5	1	0
Elbowoods	63.9	- 4.0	92	8	33	19	71	1	0	1.70	- .14	.91	13	.0	0		7	2	0
Epping	64.0	- 3.5	89	3	32	19	89	0	1	1.35	- .29	.67	13	.0	0		6	1	0
Grenora	63.0	- 2.6	88	3	32	17	95	0	1	.84	- .66	.32	11	.0	0		3	2	0
Hettinger	66.0	- 2.9	94	9	33	19		4	0	3.14	1.60	1.31	11	T	0		6	3	2
Kenmare	63.3	- 2.7	92	9	33	19		1	0	3.10	1.19	2.40	13	.0	0		7	2	1
Marmartb	66.2M	- 2.0	91	3+	31	19	34	3	2	1.16	- .46	.60	11	.0	0		5	2	0
Medora T R N M P	65.6		93	3	29	19+	66	5	2	1.93		.65	5	.0	0		12	2	0
Mott	64.6	- 3.4	93	5+	31	19+	81	4	2	1.00	- .76	.46	10	.0	0		5	2	0
New England	65.5	- 2.3	94	8	31	19	65	3	1	1.71	.13	1.18	10	.0	0		6	1	1
Parshall	62.2M	- 3.8	91	8	32	19+	114	1	2	2.07	.23	1.33	13	.0	0		9	2	1
Portal	61.0	- 3.8	85	15	30	19		0	2	1.16	- .80	.36	24	.0	0		7	2	0
Richardton Abbey	66.2	- 2.3	93	8	38	17+	59	5	0	.91	- .93	.28	10	.0	0		10	2	0
Sanish	60.8M	- 6.8	92	4	31	19+		3	3	2.25	.65	1.35	13	.0	0		8	2	1
Stanley	61.1		89	6	30	19	157	0	1	2.74	.84	1.70	13	.0	0		8	1	1
Van Hook	64.2M		92	8	34	19	91	3	0	2.37		1.55	13	.0	0		6	2	1
Watford City	64.7	- 3.6	91	3	35	19	76	3	0	2.43	.83	.92	12	.0	0		8	4	0
Williston WB City //	64.3	- 1.8	91	3	39	17	97	1	0	1.66	.19	.39	25	.0	0		9	3	0
DIVISION	64.1	- 2.9								1.70	.04			T					
STATE	64.1	- 2.9								1.49	- .58			T					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA
AUGUST 1950

Station		Day of month																											Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S							.28	.04							.21				.15						.10	.05	.15						.98
Alexander R R Sta						.30				.80	.40	.05	.23	.19											.15	.07	.04	.01	T				2.24
Almont 7 SW						T				.05	.38	.22	.23	.01			.02								.01	.08	.03		.04	.02			1.09
Alpha 1 S					.36					.05	.38		.28			T										.30			T				1.37
Ambrose							.38			.70	T	T	T	.20	T										.22	T							1.50
Amenia											.08	.03			.05				.03						.80		.11						.90
Amidon						.40					.43	.06	.27													.25							1.41
Amidon	R				•	.40				•	•	.49	.34													.22							1.45
Antler	R									.04			.22	2.04					.29			.03	.07		.04	.81			.08				3.42
Arvilla St Pk		.01							.62			.05		.16											.24		.06			.37			1.51
Ashley							.11				1.12	.13		.13													.20			.29			1.98
Ashley	R //				.01	.09	.			.01	1.01	.13		.11												.10	.08			.30			1.84
Beldhill Dam		T	.05								.05	.05		T	.13								.05		.30	T	.16	.05					.84
Belfour	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-				.19							.04	.42			.05			-
Belta							.06					.01		1.03					.35								.27						1.72
Bantry														1.05					.19								.42						1.66
Beach		.03			.02	.05				.08	.19		1.70	.34					.02						.08				.16				2.87
Beach	R		.01		.02					.12	.20		2.01	.08			.02		.01						.09					.15			2.71
Belcourt Indian Rea										.02				.58					.11			.29			.18		.49						1.67
Belcourt Indian Rea	R	.04											.04	.60					.12			.04	.28	T	.19		.43						1.74
Belfield		.07			.03					.07	.48	.07	.07											T	T	.36	.08			T			1.23
Berthold		.01								.02	.10	.01	3.08	1.06					.51				.01		.12		.29						5.21
Beulah						.04			.02	T	.26	.02	.35	.61		.02									.01	.06	.32		.07	.02			1.80
Beulah	R					.04					.26	.04	.39	.58										.01		.33	.04			.09			1.78
Biebee								.23				.13	.08	.77					.17				.06		.09		.14						1.67
Bismarck WB City		.14					T	.02		.04	.32	.02	.01	.35			.01						.02	.01			.21			.03			1.18
Bismarck WB AP		.01				T	T			T	.34	.02	.06	.44		T	.01					T		.02		.16	.02			.03			1.11
Bismarck WB AP	R	.01									.34	.02	.06	.44			.01							.02		.16	.02			.03			1.11
Bottineau										.02				1.05					.20				.04		.04		.31						1.66
Bowbella R R Sts						.91					.09			.88		T			.25			.10	T		.19		.11						2.53
Bowman Court House						.27	.04			.05	.28	.09	.72	.03			T		T							.09	.18	.04						1.79
Bowman Court House	R //				.19	.12					.30		.71													.21	.09							1.82
Breien	R					.41	.13				.68	.19	.38	.36										.08		.31			.24	.18				2.84
Butte										.02				.32							.03		T				.49			.12			.96
Cando	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.05		.26						-
Carrington		.10									T		T		.60					T					.10		.10	.07					.97
Carson	R					.05					.32	.06	.52	.01												.09			.48				1.53
Carson 2 SW						T	.11			.02	.32	.15		.64												.10	.01			.48			1.83
Cavalier Power Plant								.13		T				.15	.15				.09	T		.07	.04	T	.23		.01						.87
Center		.13								T	.45		.13	.03												.15			.08				.95
Colgate													.02	.08						.01					.39		.18						.88
Columbus										.16		T	.02		.15				.15						.26		.09						.83
Cooperstown										.17		.31		.17											.27		.29						1.21
Courtenay		.02									.04			.32											.20								.58
Crosby							.08				.22			.30	.05	.03									.28		.07						1.03
Crosby	R					.09				.23			.31	.03					.03					.05		.13	.12						.99
Dawson	R					•	.27				.05			1.20					.05							.15	.07			.24			2.03
Devils Lake WB City		.11					.01			T		.37		.27		.01			.10		.02	T	T	T	.17		.17						1.23
Devils Lake WB City	R	.11					.01					.37		.27		.01			.10		.02				.17		.17						1.23
Dickinson CAA AP		T			T					.02	.56	T	.15	.03			T						.01	.01	T	.08	.05						.91
Dickinson CAA AP	R									.02	.59	.02	.14	.06									.01	.01		.11	.08	.01					1.03
Dickinson Exp Sta			T				T		T	T	.03	.45	.03	.20	.01								T	T	T		.14	.01					.87
Donnybrook		.01								.01	.07	T	.30	1.76					.02			.08			.21		.11						2.57
Drake		.40						.01			.01			.67					.18								.52			.12			1.92
Dunn Center						T				T	.03	.22		.36											.03		.19						.83
Dunseith St San		.05								T	T		.18	.66	T				.13				.12	T	.20		.26			.02			1.84
Eckman											.03			.95					.28					.01	.06		.47			.02			1.80
Edgley Exp Farm												.16		.05					.03			.03	.01				.04						.32
Edgley Exp Farm	R											.16		.05					.04			.04					.07						.36
Edmore 1 W									T	T		T		.13	T				.12		T				.20		.06						.51
Elbowoods		.08								.23	.08	.08		.91											T		.28	.03					1.70
Elgin 5 S						.11	.04			.01	.30	.10	.01	.45												.01		.04					1.07
Ellendale		.02						.02				.18		.02	.61							.01			.09	T	.05	.01				T	.89
Epping						.10			T		.23	.03		.67											.14		.18						1.35
Esmond	R						.28							.52				.16						.03	.01		.42						1.42
Fairfield 6 N		T								.33	.75		3.43	.29	.04										.11	.22	.56						5.73
Fargo WB AP		T					T	.02		T	.01	T		.05		T	.02		T		T		T	.18	.07		.09						.42
Fargo WB AP	R //							.02			.01			.05			.02							.18	.07		.09						.42
Fessenden										.03		.02		.87					.10			.03			.42		.25						1.52
Flasher		.03					.08				.07	.84		.83	.03												.23			.18			2.08
Flaxton						.02			.11		.01	.01		.32				.20			.02			.32		.13							1.14
Forman									.38		T	T			.52										.08			.06					1.08
Fort Yates							.36	.01			.94	.21	.21	1.70			T									.05	.20			.52			4.20
Fort Yates	R					.34	.03				.94	.22	.12	1.67												.23	.02			.49			4.06
Foxholm Wildlife Ref		.02								.06	.03	.06	T	2.17					.09			.01		.12			.04						2.60
Fryburg	R				.39						.71		.34									.03				.29							1.78
Fullarton		.02										.02		.06					T			.02			.18		.07						.35
Gackle							T				T			.20					.10						.05		.24			.03			.62
Garrison										.01	.12	.09	.71	.41							T	T				.17	.13		.31				1.95
Glen Ullin	R										.33	.01	.38	.02													.25						.99
Glen Ullin 18 N											.30			.40													.30						1.00
Golden Valley 1 S										T	.21	.03														.31							.55
Golva 1 SE	R				.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grafton St School		.18					.09							.27	.01								.18		.45		.06						1.24
Grand Forks CAA AP		.03					T		.22	T		T		.11					.02			.01	T	T	.39		.07			T	.04		.69
Grand Forks CAA AP	R //	.07							.24					.11					.02			.01			.40		.10			.01	.03		.99
Grand Forks Univ		.03					T		.31	T		T		.11	.02				T		.01	.01			.48	T	.10			.01	.05		1.11
Grano	R //												.60	1.53					.63					.04	.08	.03	.29						3.20
Granville		.06								T		.09	.17	.32					.45						.05		.34		.05				1.53
Grassy Butte	R									.15	.98	.02	2.81	.43										.12		.12	.24						4.87
Grassy Butte 1 N						.25				.11	.55	.07	2.21	.08			T					T	T		.01		.27		T				3.55
Grenora							.21					.32		.31													T		T				.84
Haley	R				.02	.04				.02	.88	.02	.51													.12							1.81
Halliday										T	.34	.03	.08	.81											T		.22						1.48
Halliday	R									.01	.36	.03	.39	.46												.19							1.44
Hankinson R R Sta			T					1.25	.07	.02	.02	T			.02												T						1.38
Hannaford	R													.17										.17	.19		.25						.78
Hannah		.02						.08						.21	.05								.11		.23	T	.03						.73
Hanaboro												.01		.48	.01				.03		T		.14		.21		.22						1.10
Harvey Water Works							.07			T		.15		.45					.14						.10		.42						1.33
Haynes 6 NE	R										1.81		1.51													.14							3.46
Hazelton R R Sta	R //	.02				.12	.12				.47	.04	.35	2.16										04		.25	.02			.18			3.77
Hettinger	R						.57				.01	1.31	1.05	.01												.19							3.14
Hillsboro							.15		.30	T		.09		.08							T				.49		.11			.09	T		1.31
Hurdsfield	R						.40				.05	.05		.43							.03						.34			.07			1.37
Jamestown CAA AP		T					T				.10	T		.51			T		.08					.05	.15	T	.18			T			1.07
Jamestown CAA AP	R //										.10			.51					.08					.05	.15	.01	.20						1.10
Jamestown St Roop		T									.10	T		.93	.17		T		.04						.10		.21						1.55
Keene						T				.12	.32	.03	.82	.87											.18	T	.13						2.27
Kenmare		.05									.04			2.40	.05				.40			T			.11		.05						3.10
Kenmare	R	.05								.10			1.25	1.19					.38								.04							3.01
Kensal Wildlife Re										T	.04	T		.59					.11						.09		.24						1.07
Killdeer 8 NW											.08	.55		.85											T		.39						1.87
Kramer 5 SE	R													.87					.17						.05		.21						1.30
La Moure		.04										T		.10					.04					.02	.10		.10						.40

See reference notes following Station Index

DAILY PRECIPITATION

Table 3—Continued

NORTH DAKOTA
AUGUST 1950

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Langdon Exp Farm								.01						.07	.03				.08			.02	.08	.04	.15		.12					.60
Lansford														2.70					.35					.01	.11		.34		.38	.19			4.08
Larimore												T		.13										.23			.03			.22			.61
Leeds								.16					T	.65		.07			.30						.07		.43						1.68
Lefor 10 E						.12	T		.14		.50	.12	.01													.24	T						1.13
Linton		.11					.60	T			.72	.30	.31	.23												.02	.33			.25			2.87
Lishon																											-	-	-	-	-	-	-
Maddock Agr School		.03						.25				T		.53					.13		.04				.04		.29						1.31
Mandan Exp Sta		.11					1.51				.02	.36		.23				T					T			.10			.13			2.46
Mandan Exp Sta	R					1.50					.31		.06	.18												.09	.01			.13			2.28
Mandan Ft Lincoln		.04						T		T	.25	.04	.29											T	T	.23	.01			.06			.92
Marmarth		.10			.26							.60	.04													.16							1.16
Marmarth M D U Co	R				.43					.03	.18															.14	.03	.01					.82
Martin								.15						1.85											T		-	-	-	-	-	-	-
Max		.39								.03	.02	.04	.20	.79					.11						.02		.27						1.87
Mayville									.06			.15		T					T			.04			.46		.22	T			T	.93
Mc Clusky		.23						.02			.12	.17		.69					.07						.10		.54			.03			1.97
Mc Gregor R R Sta	R									.07			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-
Mc Henry 5 N								.06				.23		.40	.01				.05						.08		.18						1.01
Mc Leod 3 E																																	.00
Mc Ville								.04				.30		.15								.02			.15		.12						.78
Medina 1 W														.20					.13						.21		.26			.31			1.11
Medora T R N M P						.65	T			.03	.19	.01	.47	.20									T	.01	.01	.23	.05		.02	.06			1.93
Melville	R										.05			.45					.03					.09		.03	.25						.90
Minot CAA AP										.01	.01	.03	.17	.88					.26		.01		.01	.02	.04	T	.12		T				1.56
Minot CAA AP	R //											.05	.16	.84					.25					.01	.03		.12						1.46
Minot Exp Farm		.01								T	.01	T	1.97	1.08					.51			.04		.02	.08		.21		.04	T	T		3.97
Moffit R R Sta				.05				.16				.28	.12	1.21		.05						.02					.18			.32			2.40
Mohall										.03			.46	1.79					.27		T	T		T	.14		.49						3.18
Montpelier								T			T	.04	.03	T	.38				.04	T					T		.35	T					.84
Mott	R									.02	.46		.30				T									.11	.11						1.00
Munich 4 SW								.19		T		T		.15					.08		.01		.19	T	.10		.29						1.01
Napoleon 1 SE		T					.25					.23		.12								.05					.23			.55			1.43
Napoleon 1 SE	R					.17	.06				.22			.11								.04				.17	.06			.60			1.43
New England		T									1.18	.02	.06	.19					T							.21	.05						1.71
New Rockford		.16						.16			.10			.45					.06						.07								1.00
New Rockford 6 NW								.02			T	T		.30					.11		T				.14		.15						.72
New Salem 1 S											.37	.05	.05	.07										.02		.02	.01		T	T			.58
Noonan										.15				.20											.25	.10							.70
Northgate	R					.43				.08			.27	.32				*	.46					.31	.12	.05	.01						2.05
Oakes								.23					.03		.13					.02		.02			.02								.45
Oakes	R						.25						.03	.08											.03								.39
Park River		.05						.17						.21					.06		T		.08	.01	.33		.06						.87
Parshall		.03								.08	.19	.03	.02	1.33										.01	.12		.26						2.07
Pembina CAA AP							.29	T		T				.28	.02				.06	T	T	.01	.03	.03	.08		T		T				.81
Pembina CAA AP	R //						.24	.01						.25					.07			.01	.03	.03	.13								.77
Peterehurg		.05						.03			.24			.28	.03		.02		.05						.15		.12						.97
Pettihone									T		.10	.48		.57	T		T		.13						.20		.10			.13			1.71
Pettihone	R										.10	.52		.59					.10					.20	.04		.02	-	-	-	-	-	-
Portal						T				T	.13			.33		.03			.21			.01			.36		.09						1.18
Powers Lake										.07	.03	.02	1.25	.03					T						.19		.06						1.65
Pretty Rock		.05				.65	.90	.05		.03	.26	.10	.04											.03	.05	.10	.03	.01	.17	.15			2.62
Raub	R //						-	-	-	-	-	-	-	-										.06	.02	.10	.03						-
Reeder											.07	.14	.48	.07												.10	.04						.90
Reeder 14 N						.04					.02	.63		.23			.02										.19	.14					1.27
Richardton Abbey						.02	.01			.02	.28	.25	.05	.04			T								.01	.19	.04						.91
Richardton Abbey	R									.03	.48	.02	.03	.05										.03		.20		.06					.90
Riverdale		.04								.01	.40	.19	.53	.33					.01			.01			T		.28		.20				2.00
Riverdale	R										.40	.21	.71	.17					.02		.02	.02				.19	.12		.20				2.06
Rolette	R						.18							.66					.15			.03			.05		.41						1.48
Rolla		.07						.40				T		.55	.02				.07				.30	.02	.22		.43						2.08
Rugby		T					T			T			.73						.26					T	.28		.59			.03			1.89
Ryder			.05							.05		.05		*	1.15			T									.25						1.55
Ryder	R							..04		.05			.57	.55												.05	.09	.10					1.45
Sanish						.02					.12	.33	.01	1.35											.16		.10	.16					2.25
Sarles	R //						.12							.45	.05							.08	.01	.04	.11								.86
Selfridge							1.71					.68	.05	2.80								T					.15						5.38
Sharon		T										.35		.15											.26		.23			.55			1.54
Sherwood							T			.05			T	1.94		.02			.25		T		.01		.29		.58		.01				3.15
Sheyenne	R											.05		.44					.06						-	-	-						-
Shields							.50			T	.38	.26	.80	.78												.15	.05			.04			2.96
Stanley	R	T								.04	.22	.20		1.70					.06		T			.08	.20		.24						2.74
Steele		.02					T	.06			.09	.01	.38	1.88		.02											.21			.13			2.80
Tagus		.02					T			T	.12	T	.50	1.40					.32					.03	.12	T	.10						2.61
Tioga											.34		-	1.24										*	.15		*	.20					-
Tolley 4 NE									.05					2.25					.28		.03				.20		.39						3.20
Towner														.62					.27								.47						1.36
Trottere					.24					.21	1.00		1.25	T										.08		.07	.08		T	.05			2.88
Trottere Gen Store	R				.11					.15	.65		1.49												.17		.19			.03			2.79
Turtle Lake		.19								T	.22	.17	T	.35					.08					T	.03		.45		T	.19			1.68
Tuttle 8 SW											.14		1.02												.12		.10			.10			1.48
Underwood 12 W										T	.26	.11	T	.50											T	T	.35		T	.06			1.28
Upham Wildlife Ref		.06								.03				.73					.17		T				.06		.24						1.28
Valley City										.01		.02		.18					.02					.42		.22	.04						.91
Van Ronk										.12	.25		.22	1.55					T						.12	T	.11		T				2.37
Velva		.01								.05	.02	.02	T	.62					.22		-	.02		T	.03		.25		T	.02			1.28
Verona															.08				.05						.07			.08					.28
Wahpeton Power Pl	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.04						-
Wahpeton St School								2.35			.02																T	.05					2.42
Walhalla		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.03						-
Washburn		.12								T	.30		T	.53					T			.04					.33			.19			1.51
Washburn Water Wks	R										.28		.30	.13								.05				.18	.15		.03	.15			1.27
Watauga S Dak 8 N						.78	.29				.25	.13	T	1.23									T			.14	.15		T	.10			3.07
Watford City	R									.32	.34	.06	.92	.47												.18	.08	.06					2.43
Watford City 11 E										.20	.11	.29	2.18	.23										.15		.09	.44	.01					3.70
Westhope		.01								.04				1.40	.01				.25		.01	T			.09		.50						2.31
Wildrose										.09		.16	.02	.53		.04		T	.06						.17		.09						1.16
Williston WB City					.29	T				.04	.35	.04	.16	.18		T			T					T	.12		.09		T				1.66
Williston WB City	R				.28					.04	.35	.04	.16	.18										.12		.39	.09						1.66
Willow City										T		T		1.89					.18						T		.26						2.33
Wilton R R Sta		.35						.61				.38	T	.74	.16							.04			.02		.33			.05			2.68
Wishek								.11			.11	.33	T									.02					.38	.02		.08			1.05
Zahl		.09			.04					.03		.31	.02												.09	.04							.62

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA
AUGUST 1950

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																										
BALFOUR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BISMARCK WB AIRPORT		.01																								.01
CANDO		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVILS LAKE WB CITY		.11																								.11
GLADSTONE 22N		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA	//			.04	.02	.01																				.07
HAZELTON R R STATION	//		.02																							.02
KENMARE			.02					.03																		.05
MOTT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANLEY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—2d—																										
BEACH					.01																					.01
—4th—																										
AMIDON																		*	*	*	*	*	*	*	*	*
ASHLEY	//																								.01	.01
BEACH																		.01	.01							.02
BOWMAN COURT HOUSE	//																		.03	.16						.19
FRYBURG																				.06	.33					.39
GOLVA 1 S E																				.03						.03
HALEY																			.01	.01						.02
MARMARTH M D U CO															.01			.12	.16	.12	.02					.43
TROTTERS GEN STORE																				.09	.02					.11
WILLISTON WB CITY																						.07	.21	.01		.29
—5th—																										
AMIDON		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.40								.40
ASHLEY	//	.06	.03																							.09
BEULAH		.04																								.04
BOWMAN COURT HOUSE	//																		.12							.12
BREIEN																					.05	.36				.41
CARSON																						.05				.05
CROSBY		.02	.01	.06																						.09
DAWSON																								*	*	*
FORT YATES																								.33	.01	.34
GOLVA 1 S E											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HALEY																			.01	.03						.04
HAZELTON R R STATION	//																							.06	.06	.12
NAPOLEON 1 SE																									.17	.17
NORTHGATE									.22	.14	.07															.43
—6th—																										
BREIEN																			.09	.03	.01					.13
DAWSON		*	.05																			.22				.27
DEVILS LAKE WB CITY																							.01			.01
ESMOND																					.13	.05	.09	.01		.28
FORT YATES		.01	.01																	.01						.03
HAZELTON R R STATION	//																				.04	.08				.12
HURDSFIELD																					.30	.10				.40
MANDAN EXP STATION																			.80	.70						1.50
NAPOLEON 1 SE		.05	.01																							.06
OAKES																			.25							.25
PEMBINA CAA	//																							.18	.06	.24
RAUB	//															-	-	-	-	-	-	-	-	-	-	-
ROLETTE																							.17	.01		.18
SARLES 3 E	//																							.12		.12
—7th—																										
FARGO WB AIRPORT	//		.02																							.02
PEMBINA CAA	//		.01																							.01
RYDER																.03	.01									.04
—8th—																										
GRAND FORKS CAA	//						.01	.04					.10	.09												.24
—9th—																										
AMIDON																		*	*	*	*	*	*	*	*	*
ANTLER													.03	.01												.04
ASHLEY	//																						.01			.01
BEACH		.01	.02	.01		.03	.02	.01	.02																	.12
BELCOURT INDIAN RES										.02																.02
CROSBY					.05					.03	.05	.04	.03	.01	.02											.23
DICKINSON CAA												.02														.02
GRASSY BUTTE				.03				.01	.06	.05																.15
HALEY											.01		.01													.02
HALLIDAY														.01												.01
KENMARE												.03	.01	.01		.03	.02									.10
MARMARTH M D U CO										.03																.03
MC GREGOR RR STATION											.05				.01		.01									.07
NORTHGATE										.01	.03	.04														.08
RICHARDTON ABBEY																.03										.03
RYDER																	.05									.05
TROTTERS GEN STORE			.02					.02	.08	.02	.01															.15
WATFORD CITY 11E										.01	.04		.01	.04	.08	.01		.01								.20
WILLISTON WB CITY									.01					.03												.04
—10th—																										
ASHLEY	//			.17																	.65	.19				1.01
BEACH		.01	.01							.13	.02	.03														.20
BEULAH															.17	.08							.01			.26
BISMARCK WB AIRPORT																		.18	.16							.34
BOWMAN COURT HOUSE	//														.22							.01	.02	.03	.02	.30
BREIEN																	.52	.13	.02	.01						.68
CARSON																.09	.14							.01	.08	.32
DAWSON																				.02	.03					.05
DICKINSON CAA									.06						.19	.09								.24	.01	.59
FARGO WB AIRPORT	//							.01																		.01
FORT YATES																			.86	.08						.94
FRYBURG							.26	.08					.33	.01									.03			.71
GLEN ULLIN																.18	.04							.01	.10	.33
GRASSY BUTTE											.42	.17	.12	.05								.07	.15			.98
HALEY																					.01	.17	.70			.88
HALLIDAY													.07	.20	.05	.02								.02		.36
HAYNES 6 NE																.18	.03			.02			.03	1.54	.01	1.81
HAZELTON R R STATION	//																		.24	.20	.03					.47

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
HURDSFIELD	.04	.01					.07	.03									.20	.11							.05 .10
JAMESTOWN CAA //																									.31
MANDAN EXP STATION																									.18
MARMARTH M D U CO																				.03	.05	.08	.01	.01	.05
MELVILLE			.05															•							.22
NAPOLEON 1 SE																			.03	.17	.01		.01		.10
PETTIBONE			.08		.02																				.48
RICHARDTON ABBEY														.26	.01								.21		.40
RIVERDALE															.08	.31	.01								.85
TROTTERS GEN STORE									.30	.17	.07	.11													.28
WASHBURN WATER WKS																.18	.10								.11
WATFORD CITY 11E							.01					.10													.35
WILLISTON WB CITY												.10	.20	.05											
												—11th—													
AMIDON	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.49								.49
ASHLEY //	.01			.01	.03	.06																	.01	.01	.13
BEULAH	.02	.02																							.04
BISMARCK WB AIRPORT			.02																						.02
BREIEN	.11	.08																							.19
CARSON	.05		.01																						.06
DEVILS LAKE WB CITY									.07	.17	.09	.04													.37
DICKINSON CAA		.01	.01																						.02
EDGELEY EXP FARM				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.16						.18
FORT YATES		.03	.13	.02				.02																	.22
GLEN ULLIN	.01																								.01
GRASSY BUTTE					.01		.01																		.02
HALEY		.01	.01																						.02
HALLIDAY								.01	.02																.03
HAZELTON R R STATION //		.01	.03																						.04
HURDSFIELD				.01		.01				.01	.01						.01								.05
MINOT CAA //											.02	.03													.05
PETTIBONE			.02		.45			.04					.01												.52
RICHARDTON ABBEY	.01				.01																				.02
RIVERDALE	.03	.03	.07	.03	.04			.01																	.21
SHEYENNE						.04		.01																	.05
WAHPETON POWER PLANT	-	-	-	-	-	-	-	-	-	-	-	-	-												-
WATFORD CITY 11E	.01	.03	.01					.04	.01				.14	.05											.29
WILLISTON WB CITY					.03	.01																			.04
												—12th—													
AMIDON												.05	.19	.09	.01										.34
ANTLER																		.11	.01					.10	.22
BEACH	.01			.02	.36	.01	.01	.03			.05	.01	.17	.97	.05	.03				.07			.22		2.01
BEULAH																			.35		.01	.01	.02		.39
BISMARCK WB AIRPORT																		.01	.02	.01	.01	.01			.06
BOWMAN COURT HOUSE //											.08	.38	.12		.01	.06	.06								.71
BREIEN																.03	.11	.09					.03	.12	.38
CARSON																	.03		.01	.01	.01	.12	.14	.20	.52
CROSBY																					.02	.22	.05	.02	.31
DICKINSON CAA															.02	.08	.03	.01							.14
FORT YATES																	.09	.03							.12
FRYBURG					.01		.01						.16	.04		.03	.09								.34
GLEN ULLIN																		.30	.08						.38
GRANO //																			.29	.12	.01	.08	.05	.05	.60
GRASSY BUTTE					1.09	.17	.14	.44	.40	.08				.04	.20	.13	.07	.04	.01						2.81
HALEY											.12	.11	.04			.11	.07	.04	.02						.51
HALLIDAY										.02	.02								.13	.16	.01		.05		.39
HAYNES 6 NE													.07	.02				.01	.09	.72	.03		.20	.37	1.51
HAZELTON R R STATION //																			.15	.18	.02				.35
KENMARE																		.72	.06	.05	.02	.01	.25	.14	1.25
MANDAN EXP STATION																						.04	.02		.06
MC GREGOR RR STATION																	-	-	-	-	-	-	-	-	-
MINOT CAA //															.01					.04	.02	.02	.08	.01	.18
NORTHGATE																					.06	.03	.06	.08	.27
OAKES									.02	.01															.03
RICHARDTON ABBEY																.02								.01	.03
RIVERDALE																.02				.53	.11	.02		.03	.71
RYDER																		.08	.05	.11	.12	.16	.03	.02	.57
TROTTERS GEN STORE						.40	.05	.19	.20	.04	.02	.05			.29	.11	.05					.07	.02		1.49
WASHBURN WATER WKS																				.05	.05	.03	.01	.16	.30
WATFORD CITY 11E							.99	.02	.17	.09	.08	.01	.03	.01			.04	.07	.09	.03	.02	.03	.27	.23	2.18
WILLISTON WB CITY																		.03	.07	.02		.01	.02	.01	.16
												—13th—													
ANTLER	.02	.01	.10	.20	.17	.52	.67		.03	.07	.06	.10	.07	.01	.01										2.04
ASHLEY //	.05	.02						.04																	.11
BEACH			.01					.03		.01	.01	.02													.08
BELCOURT INDIAN RES						.02		.07	.08	.07	.06	.15	.04				.07	.02							.58
BEULAH	.01	.01			.08	.12	.31	.05																	.58
BISMARCK WB AIRPORT	.02	.03	.13	.14	.01											.11									.44
BREIEN	.15	.14	.07																						.38
CARSON	.01																								.01
CROSBY		.01							.02																.03
DAWSON			.02	.13	.01	.11	.14	.54	.23					.02											1.20
DEVILS LAKE WB CITY									.02	.03	.02		.07	.07				.06							.27
DICKINSON CAA	.02		.01									.03													.08
EDGELEY EXP FARM							.01	.01	.01	.01	.01														.05
ESMOND	.01					.03	.15	.08	.05	.08		.02	.01		.01			.08							.52
FARGO WB AIRPORT //															.01							.01			.05
FORT YATES		.02	.66	.79	.20																				1.67
GLEN ULLIN				.01		.01																			.02
GRAND FORKS CAA //														.04	.05	.02									.11
GRANO //	.03	.11	.19	.20	.53	.15	.01	.02	.03	.01	.07	.08	.09	.01											1.53
GRASSY BUTTE	.28	.07						.04	.04																.43
HALLIDAY		.03		.40	.01	.01		.01																	.46
HANNAFORD											.02	.08	.01						.01	.02	.03				.17
HAZELTON R R STATION //	.02	.03	.05	.58	.92	.45	.09		.01	.01															2.16
HURDSFIELD			.02		.10	.11	.12	.04	.01									.03							.43
JAMESTOWN CAA //								.01	.02	.09	.05	.01	.02				.01	.17	.10	.03					.51
KENMARE	.01	.02	.08	.15	.55	.25			.04	.01	.02	.05			.01										1.19
KRAMER 5 SE		.01			.09	.04	.12	.07	.01		.01				.38	.13	.01								.87
MANDAN EXP STATION	.04		.06	.07				.01																	.18
MELVILLE								.01	.04	.07	.02	.01				.12	.14		.02						.45
MINOT CAA //	.01	.10	.09	.60			.04																		.84
NAPOLEON 1 SE		.03	.03				.05																		.11
NORTHGATE	.06	.01	.01	.08	.05	.05	.04	.01		.01															.32
OAKES																			.01	.05	.02				.08
PEMBINA CAA //														.02	.01	.01	.11	.03				.01	.06		.25
PETTIBONE						.04	.03	.04	.18	.18	.02	.03	.01	.01	.01	.01	.03								.59
RAUB //	-	-	-	-	-	-	-	-	-	-	-														-
RICHARDTON ABBEY		.02	.03																						.05
RIVERDALE		.01					.02	.04	.06	.03	.01														.17
ROLETTE							.13	.08	.09	.08	.14	.08	.01				.05								.66

See reference notes following Station Index.

Table 4—Continued

HOURLY PRECIPITATION

NORTH DAKOTA
AUGUST 1950

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
RYDER		.21	.05		.01	.09	.03			.03	.07	.01			.05											.55
SARLES 3 E	//									.02	.02	.02	.03	.11	.10			.01	.08	.06						.45
SHEYENNE									.02	.03	.01		.01	.03		.01		.10	.02	.21						.44
WASHBURN WATER WKS		.12	.01																							.13
WATFORD CITY 11E		.07		.09	.06	.01																				.23
WILLISTON WB CITY				.04	.07	.02	.04				.01															.18
													—14th—													
BALFOUR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-
SARLES 3 E	//			.01	.02	.02																				.05
													—15th—													
DEVILS LAKE WB CITY																			.01							.01
													—16th—													
BEACH		.01	.01																							.02
BISMARCK WB AIRPORT										.01																.01
FARGO WB AIRPORT	//													.02												.02
													—17th—													
BALFOUR					.04	.14		.01																		.19
ESMOND						.08	.06	.02																		.16
NORTHGATE																									*	*
													—18th—													
ANTLER				.16	.11					.01	.01															.29
BEACH											.01															.01
BELCOURT INDIAN RES						.05	.05	.01																		.11
CROSBY																					.03					.03
DAWSON								.05																		.05
DEVILS LAKE WB CITY								.09	.01																	.10
EDGELEY EXP FARM										.04																.04
GRAND FORKS CAA	//										.02															.02
GRANO	//		.07	.53	.03																					.63
JAMESTOWN CAA	//							.05	.02	.01																.08
KENMARE		.01	.34	.03																						.38
KRAMER 5 SE					.08	.09																				.17
MELVILLE								.01	.01	.01																.03
MINOT CAA	//			.25																						.25
NORTHGATE		*	*	*	*	*	*	*	*	.46																.46
PEMBINA CAA	//										.03	.01				.03										.07
PETTIBONE							.03	.07																		.10
RIVERDALE					.02																					.02
ROLETTE						.07	.08																			.15
SHEYENNE																			.03	.03						.06
													—20th—													
DEVILS LAKE WB CITY																				.02						.02
HURDSFIELD																								.03		.03
RIVERDALE																									.02	.02
													—21st—													
ANTLER																								.01	.02	.03
BELCOURT INDIAN RES																					.01	.10	.05	.07	.06	.29
EDGELEY EXP FARM			.01	.02	.01																					.04
FRYBURG																									.03	.03
GRAND FORKS CAA	//																	.01								.01
NAPOLEON 1 SE				.04																						.04
PEMBINA CAA	//																						.01			.01
RIVERDALE		.01	.01																							.02
ROLETTE									.03																	.03
SARLES 3 E	//																				.02	.03			.03	.08
WASHBURN WATER WKS		.02	.02					.01																		.05
													—22d—													
ANTLER		.02			.01	.02	.02																			.07
DICKINSON CAA																									.01	.01
PEMBINA CAA	//																		*	.03						.03
RAUB	//																								.06	.06
SARLES 3 E	//	.01																								.01
													—23d—													
BEULAH																									.01	.01
BISMARCK WB AIRPORT					.01	.01																				.02
BREIEN																							.07		.01	.08
CANDO		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-
CROSBY																							.03	.02		.05
DICKINSON CAA						.01																				.01
ESMOND																								.02	.01	.03
FARGO WB AIRPORT	//																								.16	.16
GRANO	//																								.04	.04
GRASSY BUTTE																						.04	.08			.12
HANNAFORD																									.17	.17
HAZELTON R R STATION	//																								.04	.04
JAMESTOWN CAA	//																								.05	.05
MELVILLE																								.03	.06	.09
MINOT CAA	//																			.01						.01
NORTHGATE																				.01	.06	.10	.08	.01	.05	.31
PEMBINA CAA	//																							.01	.02	.03
PETTIBONE																							.01	.19		.20
RAUB	//	.02																								.02
RICHARDTON ABBEY																								.02	.01	.03
SARLES 3 E	//																				.01	.01	.02			.04
TROTTERS GEN STORE																					.11	.05	.01			.17
WATFORD CITY 11E																							.01	.14		.15
WILLISTON WB CITY																							.11	.01		.12
													—24th—													
ANTLER																								.01	.03	.04
BELCOURT INDIAN RES			.04	.02				.08	.04	.02																.18
CANDO			.02	.01				.01	.01																	.05
DEVILS LAKE WB CITY		.03	.06	.01	.02				.02	.03																.17
ESMOND											.01															.01
FARGO WB AIRPORT	//	.03	.01	.01	.01	.01																				.07
GRAND FORKS CAA	//	.09	.13	.04		.05	.01		.03	.02	.01	.02														.40
GRANO	//	.04				.01	.03																			.08
HANNAFORD		.01	.05	.13																						.19

See reference notes following Station Index.

Station		A. M. Hour ending												P. M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
JAMESTOWN CAA	//	.02	.12	.01																						.15
KRAMER 5 SE			.05																							.05
MINOT CAA	//	.03																								.03
NORTHGATE		.01		.02	.03	.04			.02																	.12
OAKES				.03																						.03
PEMBINA CAA	//			.05						.05		.02		.01												.13
PETTIBONE		.01	.01	.02																						.04
RAUB	//																						.07		.03	.10
ROLETTE								.05																		.05
SARLES 3 E	//	.01							.02	.03	.04	.01														.11
SHEYENNE		.38	.05	.01		.01				.01	.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
												-25th-														
AMIDON																.06	.09	.06	.01							.22
ANTLER		.09	.11	.21	.15	.05																				.61
ASHLEY	//																						.01	.02	.07	.10
BALFOUR																							.01	.01	.02	.04
BEACB															.07	.02										.09
BEULAH																			.01	.05	.09	.05	.10	.02	.01	.33
BISMARCK WB AIRPORT																					.02	.07	.01	.04	.02	.16
BOWMAN COURT HOUSE	//															.08	.01	.02	.10							.21
BREIEN																			.12	.09	.01	.08		.01		.31
CARSON																		.01	.08							.09
CROSBY																				.01	.05	.04	.02	.01		.13
DAWSON																							.05	.07	.03	.15
DICKINSON CAA																		.02	.09							.11
FORT YATES																				.03	.04	.02	.06	.07	.01	.23
FRYBURG																.04	.12	.07	.01	.04	.01					.29
GRANO	//																								.03	.03
GRASSY BUTTE																.01	.09	.02								.12
HALEY																.12										.12
HALLIDAY																		.01	.03	.02	.04	.02	.05	.02		.19
HAYNES 6 NE																.10	.04									.14
HAZELTON R R STATION	//																				.01	.05	.08	.05	.06	.25
JAMESTOWN CAA	//																								.01	.01
MANDAN EXP STATION																					.03	.02	.01	.01	.02	.09
MARMARTH M D U CO															.05	.05	.03	.01								.14
MELVILLE																									.03	.03
NAPOLEON 1 SE																							.04	.06	.07	.17
NORTBGATE																							.03	.01	.01	.05
RAUB	//	.02	.01																							.03
RICHARDTON ABBEY																	.02	.07	.08	.03						.20
RIVERDALE																					.01	.04	.07	.05	.02	.19
RYDER		.05																								.05
TROTTERS GEN STORE														.01	.01	.07	.03				.02	.05				.19
WASHBURN WATER WKS																							.04	.02	.12	.18
WATFORO CITY 11E																		.01	.03	.01	.01	.01			.02	.09
WILLISTON WB CITY																			.02		.02		.01	.05	.29	.39
												-26th-														
ASHLEY	//	.01		.01				.01		.05																.08
BALFOUR		.05	.03	.05	.12	.06	.04	.04	.01			.02														.42
BELCOURT INDIAN RE5		.01	.06	.16	.12	.10	.03	.01																		.49
BEULAH		.02	.02																							.04
BISMARCK WB AIRPORT		.01	.01																							.02
BOWMAN COURT BOUSE	//							.03			.01							.02		.03						.09
CANDO		.01	.02	.02	.01	.05	.03	.01	.05	.05	.01															.26
CROSBY		.03	.02	.02	.05																					.12
DAWSON		.05	.01	.01																						.07
DEVILS LAKE WB CITY					.05	.04	.01	.03	.04																	.17
DICKINSON CAA		.01	.01																.04							.06
EDGELEY EXP FARM		.04	.01						.02																	.07
ESMOND			.05	.05	.10	.10	.06	.02	.03	.01																.42
FARGO WB AIRPORT	//					.06	.01		.02																	.09
FORT YATES					.01			.01																		.02
GLEN ULLIN																.10	.15									.25
GRAND FORKS CAA	//				.01	.01	.04	.02		.01	.01															.10
GRANO	//	.08	.12	.08	.01																					.29
GRASSY BUTTE																	.23	.01								.24
HANNAFORD		.01	.02	.02	.04	.10	.02	.03	.01																	.25
HAZELTON R R STATION	//	.01	.01																							.02
HUROSFIELD		.01	.02		.11	.16	.03	.01																		.34
JAMESTOWN CAA	//	.04	.03	.02	.02	.03	.02	.04																		.20
KENMARE			.01	.01	.01	.01																				.04
KRAMER 5 SE		.07	.03	.02	.02		.02	.01	.04																	.21
MANDAN EXP STATION		.01																								.01
MARMARTH M O U CO																	.02								.01	.03
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-
MELVILLE		.01	.05	.07	.02	.06	.01		.02	.01																.25
MINOT CAA	//	.02		.03	.02	.02	.01	.02																		.12
NAPOLEON 1 SE		.03	.03																							.06
NORTBGATE			.01																							.01
PETTIBONE																									.01	.02
RIVERDALE		.03	.03	.03			.01		.02																	.12
ROLETTE			.11	.12	.08	.05	.02		.01	.01		.01														.41
RYDER																							.05	.02	.02	.09
SHEYENNE		-	-	-	-	-	-	-	-	-																-
WAHPETON POWER PLANT																					.04					.04
WASHBURN WATER WKS		.04	.06	.02					.01		.01	.01														.15
WATFORD CITY 11E																			.42	.01					.01	.44
WILLISTON WB CITY		.07	.01	.01																						.09
												-27th-														
OICKINSON CAA		.01																								.01
MARMARTH M O U CO		.01																								.01
PETTIBONE		.01	.02	.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RICHARDTON ABBEY											.06															.06
RYDER		.02	.04	.02	.02																					.10
WATFORD CITY 11E		.01																								.01
												-28th-														
ANTLER																			.04	.04						.08
BREIEN																									.24	.24
CARSON																								.48		.48
RIVERDALE																		.03	.17							.20
WASHBURN WATER WKS																				.01	.02					.03
												-29th-														
ASHLEY								.24	.02		.02		.02													.30
BALFOUR																				.01	.04					.05
BEACH																							.01	.09	.05	.15
BEULAB																.09										.09

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

NORTH DAKOTA
AUGUST 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
BISMARCK WB AIRPORT		.02	.01																						.03
BREIEN	.11	.03	.02																						.16
DAWSON					.09	.06	.05	.04																	.24
FORT YATES			.04	.13	.15	.09	.07	.01																	.49
GRAND FORKS CAA //																	.01								.01
HAZELTON R R STATION //					.08	.07	.01	.02																	.18
HURDSFIELD				.02	.01	.04																			.07
MANDAN EXP STATION	.03	.10																							.13
NAPOLEON 1 SE						.45	.06	.08		.01															.60
TROTTERS GEN STORE	.02	.01																							.03
WASHBURN WATER WKS			.07	.08																					.15
—30th—																									
GRAND FORKS CAA //																	.03								.03
—31st—																									
GLADSTONE 22N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLVA 1 S E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOTT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PETTIBONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See reference notes following Station Index.

Table 5

DAILY TEMPERATURES

NORTH DAKOTA
AUGUST 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7SW	MAX	76	84	87	88	88	95	90	95	77	81	84	72	74	90	90	78	75	75	68	80	77	84	72	74	74	75	84	84	83	93	87	81.9
	MIN	53	52	58	55	61	65	54	61	54	53	51	60	58	56	58	59	37	51	34	40	41	54	43	43	45	49	48	54	47	49	51	51.4
AMENIA	MAX	74	82	84	84	83	88	92	93	82	75	71	79	74	87	87	84	70	80	59	78	71	85	69	61	70	65	77	82	81	85	79	78.4
	MIN	56	50	49	50	53	64	64	51	59	55	53	54	56	57	60	55	47	38	42	34	47	49	44	50	39	39	46	47	55	50	55	50.6
AMIDON	MAX	80	86	90	88	89	87	92	93	89	75	81	74	78	88	86	85	73	75	61	78	75	82	80	81	72	74	86	79	82	87	87	81.7
	MIN	49	49	48	55	50	50	68	44	69	51	50	62	60	57	60	58	38	51	31	41	47	52	48	43	48	51	53	49	50	54	49	51.1
ARVILLA STATE PARK	MAX	75	82	83	82	83	89	88	88	78	73	73	79	79	85	88	78	68	75	63	77	75	79	76	60	71	67	82	81	84	85	80	78.3
	MIN																		36	40	35	35	51	46	49	33	46	48	47	56	53	40	
ASHLEY	MAX	72	80	84	82	80	88	88	87	83	78	75	77	78	86	90	82	69	78	60	76	75	83	71	67	68	87	79	75	81	85	83	78.3
	MIN	54	40	53	55	60	62	51	58	52	53	57	61	60	54	60	60	40	47	38	38	47	50	44	47	41	41	54	45	45	51	54	50.7
BALDHILL DAM	MAX	73	74	83	84	83	88	90	90	93	82	76	72	81	73	88	88	82	68	74	79	78	72	86	86	60	70	70	80	84	82	84	79.8
	MIN	52	45	48	52	54	52	54	50	50	52	53	49	60	54	58	57	36	38	38	32	42	48	40	40	36	41	44	46	54	50	52	47.6
BEACH	MAX	75	86	91	86	88	85	88	91	80	72	81	73	74	85	86	83	74	71	62	75	75	82	75	74	68	76	83	75	77	84	76	79.1
	MIN	50	47	56	59	59	55	47	52	59	51	48	57	56	52	57	59	40	48	32	37	43	46	42	48	49	53	46	52	48	48	50	49.9
BELCOURT INDIAN RES	MAX	74	75	78	78	78	86	80	84	75	67	67	71	65	81	82	75	62	66	57	70	65	75	65	55	65	70	80	80	77	73	74	72.6
	MIN	52	45	50	53	54	61	52	48	53	47	47	53	58	55	51	53	37	39	36	34	37	49	34	45	32	50	48	47	55	46	40	47.1
BELFIELD	MAX	75	86	91	89	89	88	88	92	80	78	83	74	72	89	87	72	69	72	63	77	75	81	73	73	71	77	76	83	78	87	87	79.8
	MIN	53	61	65	62	62	56	52	54	58	55	47	57	51	52	55	48	35	45	31	44	49	42	44	47	43	52	49	47	52	45	46	50.3
BISBEE	MAX	74	78	81	81	82	88	82	85	73	70	70	75	70	83	85	77	65	65	60	72	68	77	68	56	67	80	81	83	84	78	77	75.3
	MIN	53	56	51	51	52	61	54	57	54	47	46	54	57	57	56	56	37	44	38	36	40	52	35	47	36	52	48	49	56	51	46	49.3
BISMARCK WB CITY	MAX	76	80	85	84	84	91	90	92	80	75	79	78	76	91	92	86	72	73	67	83	83	75	67	72	71	73	82	82	85	85	81	80.3
	MIN	57	48	54	59	61	62	57	59	59	57	56	61	60	56	63	62	44	54	38	40	52	44	43	47	45	54	48	52	57	52	53	53.4
BISMARCK WB AIRPORT	MAX	78	83	88	87	87	93	89	92	79	75	80	78	78	91	91	79	72	76	65	80	75	85	71	73	74	72	82	83	82	87	83	80.9
	MIN	54	49	52	54	61	66	55	58	57	57	55	60	59	55	62	51	42	47	39	37	49	53	43	46	43	54	47	51	55	50	51	52.0
BOTTINEAU	MAX	75	75	80	80	79	85	85	85	70	71	74	74	70	84	84	86	63	66	60	74	70	79	79	62	67	72	81	82	80	89	78	76.1
	MIN	53	48	55	56	56	61	51	54	56	47	50	56	58	56	54	56	35	46	33	35	40	49	32	46	40	53	48	52	49	47	42	48.8
BOWBELLS R R STATION	MAX	72	76	77	83	82	82	84	82	85	67	68	68	71	74	87	92	87	72	76	66	77	76	84	68	61	74	78	84	83	77	75	77.0
	MIN	53	49	52	53	60	59	51	53	49	46	48	53	57	50	56	50	32	47	31	38	39	46	32	44	45	49	48	55	44	48	42	47.7
BOWMAN COURT HOUSE	MAX	71	86	90	89	87	82	86	91	91	75	79	79	72	85	85	87	71	72	62	72	72	80	80	71	71	71	78	78	77		83	79.1
	MIN	51	50	52	57	53	55	50	60	60	54		57	56	53	61	60	42	46	33	38	43	48	46	44	49	47	48	52	50		48	50.4
BUTTE	MAX	75	79	82	85	83	93	89	92	85	82	78	77	75	88	90	83	69	72	67	76	72	81	79	63	71	72	83	81	82	81	80	79.5
	MIN	50	60	61	55	59	59	56	56	57	58	51	56	60	53	59	60	38	51	35	42	44	54	51	45	46	52	54	53	55	54	46	52.6
CARRINGTON	MAX	71	75	80	82	81	80	91	85	90	80	74	70	79	75	85	89	77	67	76	61	77	70	80	70	64	70	65	80	82	82	81	77.1
	MIN	54	53	50	50	54	55	59	55	55	50	51	50	55	55	59	62	39	44	36	37	47	45	40	42	39	40	47	48	57	54	50	49.4
CARSON 2 S W	MAX	80	88	90	87	90	94	90	96	78	80	80	70	75	90	90	80	74	77	65	80	75	83	70	78	71	74	83	86	82	90	80	81.5
	MIN	52	47	59	55	61	61	50	55	59	55	54	60	58	53	60	60	53	49	32	36	42	49	44	41	41	49	47	51	50	50	53	51.2
CAVALIER POWER PLANT	MAX	75	78	79	80	81	88	92	89	85	70	74	75	74	81	84	79	68	72	59	75	68	75	74	62	68	67	81	82	84	91	77	77.0
	MIN	52	53	52	52	52	61	60	56	55	44	45	50	56	56	58	59	45	41	41	39	42	55	40	49	39	50	50	52	55	53	50	50.4
CENTER	MAX	75	84	86	86	85	92	88	90	88	74	80	75	75	90	89	76	72	71	79	77	73	81	74	70	73	71	83	85	84	89	82	80.5
	MIN	50	44	54	46	55	62	47	48	50	54	50	57	58	59	56	56	35	47	33	34	42	55	34	40	34	52	41	44	44	42	56	47.7
COOPERSTOWN	MAX	76	79	84	83	82	91	88	90	85	71	66	77	72	85	88	73	68	66	54	68	65	72	71	57	61	57	72	72	73	76	70	73.9
	MIN	58	50	51	54	54	63	59	55	55	50	51	51	59	56	61	59	40	42	39	37	42	52	49	46	38	50	52	49	57	50	50	50.9
CROSBY	MAX	72	77	79	87	85	88	81	84	82	64	67	69	73	73	85	85	61	73	59	65	77	76	84	63	58	71	79	85	80	77	76	75.3
	MIN	53	54	55	58	58	58	52	51	51	45	49	51	53	52	54	58	36	37	33	39	39	41	35	41	45	50	47	51	43	46	42	47.6
DEVILS LAKE W B CITY	MAX	73	77	83	83	82	90	85	88	75	71	69	75	64	85	86	75	65	71	59	75	67	79	65	58	69	70	80	82	81	81	78	75.5
	MIN	55	53	53	55	55	65	61	60	57	48	54	57	60	56	59	47	42	45	37	43	43	46	40	46	39	51	52	54	56	54	47	51.3
DICKINSON CAA	MAX	76	84	88	86	88	87	88	92	75	71	78	70	72	89	86	74	73	72	62	78	74	81	72	75	72	75	81	77	81	88	84	79.0
	MIN	53	51	52	55	57	58	54	59	53	52	52	60	56	56	58	48	40	43	32	39	44	51	42	44	48	52	47	51	50	53	50	50.3
DICKINSON EXP STATION	MAX	75	76	85	89	88	89	88	89	93	72	69	80	71	72	90	87	74	75	72	64	77	74	82	71	75	74	78	82	77	82	89	79.3
	MIN	52	49	51	54	56	65	47	54	62	54	53	52	59	51	56	57	35	49	35	33	44	50	43	43	48	50	44	49	46	45	50	49.5
DRAKE	MAX	69	75	79	84	83	84	90	93	89	72	74	77	85	84	86	87	85	68	69	75	70	71	80	67	64	71	80	82	83	82	80	78.6
	MIN	54	51	55	54	56	61	55	58	55	51	53	56	54	53	59	62	36	46	35	41	42	47	41	46	44	52	52	54	54	52	49	50.9
DUNN CENTER	MAX	73	76	85	89	87	88	87	88	91	69	66	79	71	73	88	86	72	74	69	68	78	74	81	69	73	76	77	84	80	80	84	78.5
	MIN	51	48	50	53	56	57	47	46	55	53	53	54	60	48	55	55	33	39	29	31	42	47	41	39	42	48	45	47	44	41	43	48.8
DUNSEITH ST SANITARIUM	MAX	74	75	78	78	77	85	82	84	80	68	69	71	68	81	81	78	62	66	59	67	67	76	71	58	65	70	80	80	77	74	74	73.4
	MIN	53	51	57	56	54	61	54	54	55	50	51	54	59	55	55	58	38	43	39	43	42	50	34	46	38	52	47	50	54	50	45	49.9
ECKMAN	MAX	71	75	77	81	84	86	87	83	86	82	72	72	73	72	86	84	68	67	65	61	75	70	79	62	60	68	75	82	83	79	75	74.8
	MIN	52	46	47	53	53	52	53	52	49	43	47	48	58	53	55	59	33	34	34	36	39	43	33	34	44	44	49	52	46	46	40	48.0
EDGELEY EXP FARM	MAX	75	80	84	83	80	88	90	92	86	78	78	78	75	88	91	85	85	69	79	63	78	72	85	70	67	70	65	80	84	80	87	79.5
	MIN	54	47	52	49	54	56	59	56	57	55	55	56	60	54	59	55	39	40	38	35	45	46	43	48	35	47	44	47	54	48	47	49.5
EDMORE 1 W	MAX	75	78	82	81	81	89	84	88	77	71	68	77	66	85	86	73	66	72	72	75	68	78	68	58	68	69	82	82	82	82	78	76.2
	MIN	51	48	50	50	51	62	54	55	51	45	47	54	57	57	54	57	37	39	36	36	38	51	33	46	34	50	45	49	53	51	41	47.8
ELSWOOD5	MAX	79	84	80	78	89	89	86	92	76	76	73	74	80	89	86	73	70	68	62	77	74	81	81	70	74	87	85	81	84	83	84	79.5
	MIN	54	49	47	51	55	54	49	48	49	53	50	51	54	50	58	56	49	52	33	34	45	47	43	40	46	49	48	50	44	43	46	48.3
ELLENDALE	MAX	74	83	86	85	80	86	92	94	89	82	76	81	77	89	92	87	76	82	69	79	70	86	80	70	67	66	85	85	78	90	85	81.3
	MIN	55	49	50	57	58	66	59	56	60	56	58	59	60	56	60	59	44	45	40	38	48	47	45	50	40	55	52	50	53	49	52	52.5
EPPING	MAX	76	82	89	85	86	84	87	80	80	65	75	71	75	86	84	83	72	69	65	77	75	84	78	67	71	79	84	68	76	79	85	78.0
	MIN	55	53	54	57	59	52	52	55	56	49	53	56	58	52	58	59	35	47	32	37	40	48	37	44	48	56	50	52	48	48	47	49.9
FARGO WB AIRPORT	MAX	73	80	83	83	84	91	90	95	81	75	71	78	73	88	86	86	69	80	64	78	69	85	69	57	70	84	78	83	82	85	78	78.3
	MIN	56	48	50	57	60	68	66	56	56	59	55	54	60	58	60	58	46	42	41	37	48	54	44	43	38	52	50	51	58	56	53	52.7
FESSENDEN	MAX	72	76	83	88	86	92	89	92	83	74	70	69	67	84	85	81	64	70	64	65	75	78	76	68	68	74	85	88	82	82	78	77.7
	MIN	54	61	53	51	59	62	60	61	56	52	49	42	40	53	59	59	39	46	39	36	41	55	49	42	41	46	55	68	65	53	51	51.2
FORMAN	MAX	73	82	85	85	83	88	90	90	86	79	74	81	77	87	87	89	71	81	70	72	76	83	80	84	70	65	79	82	80	87		79.9
	MIN	59	45	50	53	56	56	61	65	56	56	55	56	59	58	63	61	44	45	41	35	49	46	44	42	38	52	56	49	53	52		51.8
FORT YATES	MAX	76	81	86	85	84	93	87	89	82	83	81	75	80	89	88	80	68	79	62	79	70	83	71	74	67	69	78	81	80	83	82	79.5
	MIN	50	46	56	56	64	64	56	58	55	54	58	62	59	56	61	61	44	52	38	40	44	54	46	48	46	53	45	58	57	52	54	53.1
FOXHOLM WILDLIFE REF	MAX	76	80	86	85	86	89	85	87	82	74	74	76	72	86	85	83	69	69	82	74	73	80	79	63	72	75	81	84	80	80	84	78.4
	MIN	54	43	53	50	56	57	57	57	54	49	49	52	57	49	55	60	48	58	38	39	45	51	39	45	43	54	52	54	45	42	46	50.0

See reference notes following Station Index.

Table 5-Continued

DAILY TEMPERATURES

NORTH DAKOTA
AUGUST 1950

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FULLERTON	MAX	75	83	85	86	81	87	93	92	88	80	78	83	80	90	90	89	72	81	64	79	72	89	76	68	70	69	80	85	81	89	84	81.3
	MIN	56	49	50	54	55	67	59	57	59	55	57	58	61	57	58	60	42	45	40	37	47	48	45	50	38	53	48	47	54	49	52	51.8
GACKLE	MAX	86	78	80	80			86	88	87	75	77		75	85	85	87	73	74			76	80	79	64	67			80	79	83	83	79.5
	MIN	54	52	54	53			56	58	59	53	55		57	56	61	61	42	47				50	42	48	40			48	57	53	51	50.3
GARRISON	MAX	75	82	86	86	85	92	87	92	68	72	78	73	72	88	86	72	69	70	63	77	74	81	62	79	72	75	82	84	80	75	80	78.0
	MIN	55	52	54	54	60	61	54	52	56	54	52	60	57	54	60	54	37	41	34	40	44	51	39	45	46	53	50	53	50	49	48	50.6
GRAFTON STATE SCHOOL	MAX	76	78	80	81	82	89	86	95	87	70	72	76	76	84	85	81	70	75	60	78	75	79	78	64	68	67	81	82	83	84	79	78.1
	MIN	53	50	49	49	50	62	60	54	55	46	48	49	56	57	58	51	37	36	40	36	39	51	40	47	36	49	46	53	57	54	45	48.8
GRAND FORKS CAA	MAX	75	80	83	84	84	89	88	86	78	73	70	80	70	85	87	80	66	77	60	78	68	80	69	59	70	65	80	83	82	84	77	77.1
	MIN	54	49	49	50	53	63	63	57	56	52	53	52	59	57	59	53	44	38	39	37	40	48	37	43	37	50	46	54	56	54	46	49.9
GRAND FORKS UNIVERSITY	MAX	74	79	81	83	83	89	89	85	78	71	67	76	69	83	85	81	67	76	60	77	69	80	65	58	68	64	78	80	80	82	76	75.9
	MIN	55	51	52	54	54	64	65	60	57	53	55	54	59	59	60	54	44	41	42	38	42	50	37	45	39	52	47	54	57	54	47	51.5
GRANVILLE	MAX	75	78	84	83	84	88	85	89	83	73	73	73	73	83	88	77	68	67	61	75	75	81	78	62	71	74	82	84	82	82	79	77.7
	MIN	52	47	52	54	56	60	53	53	56	47	48	53	59	57	56	57	35	51	34	39	43	56	35	45	43	53	50	52	48	43	45	49.4
GRENORA	MAX	75	80	88	86	86	85	75	82	70	68	72	70	75	85	85	72	73	70	65	78	75	85	80	63	74	80	85	75	78	78	85	77.4
	MIN	53	51	52	53	54	57	54	54	52	45	50	54	58	54	50	53	32	47	34	40	38	48	35	45	46	51	45	52	52	48	45	48.5
HANKINSON R R STATION	MAX	71	65	74	83	84	82	90	88	88	84	75	68	78	75	88	85	92	72	80	60	78	70	86	71	64	72	69	75	81	80	87	77.9
	MIN	55	50	50	54	54	60	64	62	63	58	53	52	55	59	62	64	46	45	46	46	44	48	47	47	40	46	52	52	53	54	55	52.8
HANNAH	MAX	74	74	80	79	79	87	83	84	77	68	69	72	65	81	84	76	64	68	58	72	67	73	66	66	67	69	79	80	80	75	74	73.9
	MIN	49	50	50	52	53	61	59	57	52	42	44	50	55	57	55	56	38	44	36	37	38	51	35	45	36	51	50	52	54	50	45	48.5
HANSBORO	MAX	74	78	80	79	79	87	82	87		69	70	73	64	82	83		69	69	63	76	70	76	64	64	67	74	82	83	81	79	80	75.3
	MIN	50	48	49	50	50	60	53		50	44	42	52	53	55	80		36	42	35	37	37	45	35	46	36	49	52	49	53	50	44	44.9
HETTINGER	MAX	79	77	90	87	90	88	89	90	94	78	79	78	75	87	82	86	81	74	63	76	74	81	71	77	79	78	79	81	84	82	84	81.1
	MIN	44	50	54	53	59	55	49	51	49	57	54	59	58	53	57	59	54	50	33	35	47	49	48	44	48	44	49	48	50	51	67	50.9
HILLSBORO	MAX	72	80	81	83	84	89	90	90	79	72	64	79	70	86	87	85	79	62	63	78	70	83	65	66	69	65	77	82	81	85	78	77.2
	MIN	49	51	49	53	48	51	62	64	54	51	50	49	52	54	55	60	54	44	35	36	44	52	39	44	39	47	42	44	53	55	52	49.4
JAMESTOWN CAA	MAX	74	80	83	82	82	87	86	91	81	74	73	77	75	85	86	80	69	76	62	77	68	81	67	61	71	69	78	82	82	85	81	77.6
	MIN	53	48	48	53	56	65	56	52	54	54	54	55	61	56	61	48	40	42	38	35	45	49	42	42	37	51	44	48	55	49	51	49.7
JAMESTOWN STATE HOSP	MAX	76	80	85	83	82	91	89	92	86	75	74	80	75	87	86	79	68	71	60	79	69	83	74	63	70	63	78	83	84	86	81	78.5
	MIN	56	50	51	55	57	67	58	54	57	55	56	56	61	57	62	58	42	44	39	38	48	51	44	50	39	52	47	49	57	52	54	52.1
KENMARE	MAX	75	78	78	85	83	85	89	87	92	64	70	72	73	76	80	89	83	75	67	65	78	78	81	64	59	71	83	85	84	80	81	77.7
	MIN	54	53	51	53	62	57	53	57	50	48	45	50	55	49	56	55	36	48	33	41	41	50	34	42	45	52	51	55	48	51	42	48.9
KENSAL WILDLIFE REFUGE	MAX	76	82	85	85	82	88	90	88	86	75	78	80	76	88	90	79	71	72	63	80	72	84	77	63	70	72	83	84	84	87	83	79.8
	MIN	54	47	47	47	56	53	61	56	53	52	55	54	53	55	56	54	36	42	36	37	40	49	41	49	34	52	43	47	56	52	50	48.9
LA MOURE	MAX	75	82	85	84	81	87	92	94	90	80	80	80	76	89	90	86	78	80	70	79	75	85	74	68	71	76	81	85	82	88	85	81.5
	MIN	57	47	49	55	73	67	59	58	57	56	56	58	61	54	64	58	42	46	44	33	47	48	43	56	35	46	47	47	54	50	50	52.2
LANGDON EXP FARM	MAX	75	77	78	78	79	88	83	87	80	69	69	74	70	82	86	83	65	68	60	74	66	76	68	61	66	69	82	81	82	78	77	75.2
	MIN	48	49	50	49	51	60	54	54	50	42	43	50	54	55	54	58	35	40	35	34	40	50	34	46	34	50	47	52	57	50	45	47.4
LARIMORE	MAX	64	70	87	87	78	80	78	82	78	69	66	72	68	83	79	77	65	66	62	69	62	76	69	63	65	58	80	81	77	74	74	72.9
	MIN	61	64	68	70	53	69	61	58	59	61	57	63	56	63	71	59	56	53	50	39	48	54	54	52	51	51	55	69	64	66	63	58.6
LEEDS	MAX	72	80	84	83	83	89	85	88	84	74	73	79	71	95	86	79	68	69	62	75	71	79	77	60	72	72	84	83	83	82	82	78.2
	MIN	53	52	52	53	56	63	55	56	52	47	56	56	58	55	57	60	37	46	37	40	41	53	35	48	35	51	51	55	57	51	43	50.4
LINTON	MAX	77	83	86	85	85	93	89	92	84	80	81	76	82	89	90	80	71	78	63	80	73	84	75	75	72	70	80	84	80	87	84	80.9
	MIN	54	44	58	60	63	63	56	56	56	57	57	63	63	56	60	57	43	49	37	34	47	53	48	50	52	55	48	48	59	52	52	53.2
LISBON	MAX	74	74	81	85	84	84	88	92	95	87	80	73	81	76	90	87	89	71	82	68	79	70	86	71	63							80.4
	MIN	52	46	43	48	50	50	60	55	53	55	53	50	55	57	55	54	43	34	39	32	45	41	42	45	33							47.6
MADDOCK AGR SCHOOL	MAX	75	78	80	81	81	90	85	87	83	71	71	75	70	85	87	78	66	70	61	74	69	78	77	62	70	72	82	84	83	83	80	77.0
	MIN	55	51	52	50	54	62	55	55	53	48	53	55	60	55	57	56	38	44	37	38	41	54	45	48	36	51	46	58	54	49	43	50.1
MANDAN EXP STATION	MAX	72	75	82	86	86	85	93	87	91	76	75	78	76	76	90	89	75	69	72	62	78	72	81	69	70	71	71	80	83	81	86	78.6
	MIN	54	49	53	53	59	63	55	56	59	56	54	60	59	55	60	60	41	53	38	37	49	52	43	46	42	48	45	49	54	51	53	51.8
MANDAN FT LINCOLN PARK	MAX	76	85	88	88	86	97	92	94	91	78	84	80	82	94	93	90	73	80	66	83	75	85	84	75	74	74	83	84	85	86	85	83.5
	MIN	54	48	51	54	60	63	55	56	57	56	54	59	59	54	61	59	40	52	35	36	49	52	44	45	44	51	47	50	54	51	52	51.7
MARMARTH	MAX	76	85	91	88	87	84		91	83	74	81	75	75	88	89	86	75	74	87	81	86	85		80	72	72	81	76	82	91	86	82.1
	MIN	53	43	48	65	56	58		50	63	54	54	50	58	49	56	60	55	47	31	32	42	45		50	52	52	43	50	48	43	52	50.3
MAX	MAX	80	72	82	85	86	84	91	85	89	65	72	77	76	76	87	90	70	68	69	62	76	72	80	68	65	74	73	85	84	81	85	77.7
	MIN	51	52	56	57	60	50	42	53	57	53	52	55	59	42	57	60	40	46	35	36	47	50	39	46	47	47	50	52	50	49	49	49.6
MAYVILLE	MAX	76	80	83	84	88	80	90	90	84	75	73	83	70	85	86	82	68	76	64	77	75	81	76	63	70	64	77	81	82	83	78	78.2
	MIN	56	50	50	50	52	50	65	58	56	60	56	56	60	59	63	58	43	41	42	38	42	55	40	51	38	51	46	50	52	52	52	51.4
MC CLUSKY	MAX	74	81	84	83		91	87	90	86	73	79	70	75	87	88	81	68	71	61	75	70	80	77	65	71	71	82	82	81	86	81	78.3
	MIN	55	52	54	53		58	56	58	59	52	53	59	59	55	61	56	41	46	36	46	44	53	42	45	49	52	50	53	55	51	51	51.8
MC HENRY 5 N	MAX	74	79	83	82	81	90	86	90	79	71	69	76	68	84	86	76	65	74	60	76	68	79	66	59	68	65	79	81	81	84	78	76.0
	MIN	52	52	51	52	55	64	57	54	55	46	49	51	59	55	58	59	38	44	37	37	41	52	39	47	38	51	45	50	56	50	49	49.8
MC LEOD 3 E	MAX	75	83	86	84	82	87	91	90	81	75	70	80	72	89	86	85	75	81	66	89	70	85	72	68	65	72	74	82	78	80	76	79.0
	MIN	53	58	59	64	54	65	62	59	57	57	55	51	58	59	59	60	44	41	43	35	47	45	54	49	35	47	52	50	51	54	52	52.5
MEDORA T R N M P	MAX	76	88	93	90	91	86	90	92	86	73	83	79	75	88	87	85	78	74	64	78	75	83	81	75	72	77	83	80	80	87	88	81.8
	MIN	55	42	55	63	54	60	44	51	63	56	51	61	61	57	56	57	37	47	29	29	39	43	47	41	59	45	43	48	48	42	45	49.3
MINOT CAA	MAX	75	78	84	82	83	88	85	89	66	71	73	74	71	87	84	69	67	65	61	76	71	81	65	61	69	76	82	83	82	77	79	75.9
	MIN	53	50	53	53	57	58	59	57	55	49	51	53	59	53	57	45	37	43	38	44	46	47	39	46	43	55	55	59	50	52	47	50.4
MINOT EXP FARM	MAX	73	78	84	81	82	87	85	87	82	70	72	75	72	85	83	76	67	65	60	74	70	80	76	60	70	75	80	82	79	77	78	76.3
	MIN	53	51	68	55	60	59	54	58	54	49	48	54	60	53	58	60	38	48	34	42	44	52	39	45	45	54	55	55	48	53	47	51.4
MOHALL	MAX	75	76	81	81	81	86	82	85	78	70	69	73	72	84	83	75	67	68	60	75	72	80	65	59	69	77	81	82	79	76	77	75.4
	MIN	50	48	52	53	57	57	54	54	49	47	46	53	57	50	55	58	35	50	34	40	42	52	33	44	45	55	51	51	47	50	42	48.7
MOTT	MAX	75	83	86	85	93	91	88	93	75	77	80	70	75	88	89	77	71	74	65	77	74	81	70	75	72	74	81	83	81	90	82	79.8
	MIN	52	48	52	52	66	63	46	55	58	57	52	58	57	51	56	59	38	46	31	31	43	47	48	42	46	46	43	46	42	45	51	49.3
MUNICH 4 SW	MAX	74	75	78	78	85	83	83	85	79	69	68	78	66	81	84	74	64	69	58	73	71	74	64	58	66	68	82	81	81	80	83	74.6
	MIN	49	51	53	52	50	50	54	56	52	44	44	53	56	56	54	55	35	43	34	34	34	47	34	46	37	51	46	51	56	54	46	47.6
NAPOLEON 1 SE	MAX	76	79	83	82	79	88	87	91	83	76	77	77	78	86	92	84	73	80	66	79	74	83	72	73	70	68	78	85	77	85	80	79.4
	MIN	55	47	51	54	60	60	54	57	55	54	56	60	60	56	59	58	40	45	36	39	46	51	44	47	41	52	47	47	57	53	52	51.4

See reference notes following Station Index

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW ENGLAND	MAX	75	86	90	89	90	89	89	94	88	73	81	78	73	89	88	85	74	78	64	78	75	81	75	78	74	74	82	79	81	89	87	81.4
	MIN	50	45	48	54	53	63	47	59	57	56	51	59	59	54	54	59	39	46	31	34	43	46	46	43	46	51	44	49	50	46	52	49.5
NEW SALEM 1 S	MAX	76	85	85	84	85	95	90	93	77	75	81	78	82	92	91	76	75	74	64	81	80	75	70	71	72	75	81	85	82	86	91	80.9
	MIN	47	51	52	54	56	67	58	56	50	52	49	57	52	56	62	48	46	40	35	40	42	44	40	42	41	44	49	47	50	48	50	49.2
OAKES	MAX	76	75	82	87	86	84	86	93	92	88	80	78	72	78	90	90	88	73	82	65	80	72	84	73	67	72	67	82	85	80	91	80.8
	MIN	55	48	47	57	56	62	59	61	58	57	58	58	61	61	61	60	44	44	40	36	47	48	45	46	38	48	51	51	51	50	53	52.0
PARK RIVER	MAX	75	79	80	80	81	89	85	90	85	71	70	78	71	84	84	81	67	75	60	77	67	79	78	65	68	68	81	82	84	81	78	77.1
	MIN	53	52	50	49	49	61	62	58	57	48	48	51	55	59	58	64	44	42	41	40	43	55	41	48	39	50	53	54	58	57	47	51.2
PARSHALL	MAX	75	82	86	85	86		86	91	85	68	75	73	74	86	85	70	69	66	64	78	75	81	79	66	72	76	80	79	79	78	81	77.7
	MIN	52	48	51	55	61		48	45	51	49	49	54	58	50	54	56	33	44	32	32	42	48	34	34	47	52	45	48	42	43	40	46.8
PEMBINA CAA	MAX	74	78	79	79	80	86	84	88	73	70	75	75	72	80	82	77	65	68	59	74	66	74	64	61	67	66	82	80	83	77	74	74.8
	MIN	53	52	50	50	51	62	60	53	53	46	46	47	55	58	60	49	41	38	36	32	40	45	39	45	34	50	46	50	58	54	47	48.4
PETERSBURG	MAX	75	80	83	82	82	89	87	90	84	72	70	78	68	83	87	80	67	74	60	75	68	78	70	60	68	65	81	81	80	83	79	76.7
	MIN	52	52	54	53	54	63	59	59	55	48	53	53	58	57	57	58	40	45	37	37	41	54	36	46	46	40	48	53	58	53	46	50.5
PETTIBONE	MAX	75	82	83	83	81	91	87	91	86	74	74	77	76	86	89	75	64	73	60	72	69	80	72	66	70	66	80	82	80	84	80	77.7
	MIN	55	48	54	53	56	65	56	58	58	53	54	56	60	56	63	60	40	47	38	38	45	50	47	48	40	51	46	51	52	51	51	51.6
PORTAL	MAX	72	75	78	84	82	83	82	80	82	65	69	67	70	72	85	84	65	71	57	65	75	74	81	63	57	70	78	84	74	75	75	74.0
	MIN	56	54	52	53	57	57	50	51	52	50	47	50	55	49	51	51	31	47	30	39	38	49	33	45	46	55	50	55	43	48	42	47.9
RICHARDTON ABBEY	MAX	76	86	90	88	88	91	90	93	80	75	83	72	73	90	88	76	77	72	64	77	75	83	74	74	74	75	85	83	84	89	87	81.0
	MIN	55	51	57	56	60	63	51	57	60	49	51	59	57	53	59	59	38	48	38	39	46	51	43	44	46	51	49	52	49	50	53	51.4
RIVERDALE	MAX	75	80	85	83	84	89	89	90	78	77	78	74	73	88	86	74	69	67	62	75	73	81	72	67	73	74	82	84	82	85	80	78.4
	MIN	56	53	54	56	60	66	55	53	56	54	52	52	52	60	60	57	40	52	36	42	46	55	39	47	45	52	51	52	53	50	51	51.8
ROLLA	MAX	73	76	79	79	78	87	80	84	72	66	68	71	65	82	82	69	64	66	57	71	64	75	62	55	65	70	80	80	78	79	74	72.8
	MIN	52	50	51	51	53	59	53	58	55	46	46	53	56	56	55	52	41	45	37	37	41	50	37	45	40	50	51	55	56	52	46	49.3
RUGBY	MAX	75	78	83	83	85	91	87	89	87	72	71	75	74	86	86	84	68	69	61	74	70	79	78	63	68	69	82	82	80	82	79	77.7
	MIN	52	52	55	55	58	63	56	61	56	48	52	58	53	55	63	61	39	49	37	40	43	52	40	48	42	53	52	54	56	56	48	51.8
SANISH	MAX	77	79	87	92	88	90	87	87	90	66	65	77	74	74		85	67	71	65	64	77	75	81	65	67	71	77	83	78	77	81	77.2
	MIN	51	51	52	41	59	51	41	46	51	46	49	51	51	51	57	54	32	34	31	31	33	43	33	41	41	43	50	42	43	38	35	44.3
SHARON	MAX	73	80	80	80	79	87	85	91	80	72	62	78	68	82	81	80	68	75	63	75	70		78	59	68	61	80	80	80	82	80	75.9
	MIN	53	52	56	52	55	62	61	58	58	50	52	53	58	67	61	62	40	46	38	39	42		49	48	42	50	47	55	59	54	53	52.4
STANLEY	MAX	76	81	87	84	86	89	85	87	64	62	71	71	70	85	83	65	70	62	62	74	73	80	65	61	70	77	81	79	75	77	81	75.3
	MIN	51	47	51	52	60	59	52	52	48	44	50	55	56	53	55	42	38	41	30	37	42	40	35	43	44	49	49	49	43	46	42	46.9
STEELE	MAX	74	81	83	83	80	93	86	90	82	75	80	77	78	85	87	77	67	74	62	77	70	80	68	66	71	70	78	79	81	78	84	77.9
	MIN	54	50	50	50	57	59	56	54	54	52	52	56	58	53	58	59	39	46	33	37	44	48	40	46	38	50	44	48	52	49	48	49.5
TOWNER	MAX	76	78	83	80	83	91	85	88	72	73	74	77	78	87	88	72	68	68	67	75	72	82	72	62	71	73	82	83	81	78	80	77.4
	MIN	50	47	56	52	59	53	54	56	49	51	47	53	51	61	56	55	33	47	33	35	41	50	33	44	38	51	51	50	46	45	44	48.1
TURTLE LAKE	MAX	74	80	84	82	83	90		90	80	78	78	74	74	88	87	79	68	70	60	71	72	80	75	67	71	73	82	83	79	85	80	77.9
	MIN	56	53	54	55	59	62		55	58	54	53	59	60	56	60	60	39	49	36	41	43	55	40	46	45	52	49	51	55	51	51	51.9
UNDERWOOD 12 W	MAX	75	83	88	87	88	92	89	92	81	73	81	77	76	88	87	80	71	70	63	77	75	81	81	72	81	75	83	88	83	86	84	80.9
	MIN	55	47	50	54	59	64	47	47	55	53	52	57	59	54	56	57	36	45	39	38	42	42	37	45	47	41	46	48	47	44	49	48.8
UPHAM WILDLIFE REFUGE	MAX	76	82	85	83	83	89	87	90	78	78	76	79	72	87	87	82	68	70	66	78	72	81	70	63	74	76	77	73	85	78	81	78.3
	MIN	51	47	53	53	53	60	52	53	49	48	49	52	53	52	54	56	31	47	32	35	39	49	31	47	41	52	49	49	46	44	40	47.3
VALLEY CITY	MAX	74	80	84	83	82	90	89	91	88	78	75	81	75	86	88	85	77	78	69	78	69	84	81	66	71	69	78	81	81	85	80	79.9
	MIN	55	47	46	50	52	65	59	51	55	54	55	50	60	56	59	56	42	36	39	33	46	45	42	49	36	49	45	45	53	49	52	49.4
VAN HOOK	MAX	77	85	90	88	90	88	88	92	85	67	76	74	74		88	83	70	65	63	72	75	82	67	66	72	76	82	79	78	80	84	78.5
	MIN	54	50	53	58	64	60	58	50	54	52	53	52	59		52	59	36	50	34	39	43	50	36	43	46	54	48	52	46	46	46	49.9
VELVA	MAX	73	80	84	82	83	89	85	88	80	71	73	75	72	86	84	76	68	66	61	75	73	80	75	61	70	72	79	80	80	77	78	76.6
	MIN	55	46	52	52	58	52	56	52	54	48	51	56	61	53	57	60	39	50	37	41	44	54	39	47	43	54	52	53	51	50	44	50.4
WAHPETON STATE SCHOOL	MAX	73	81	84	82	83	88	86	87	86	78	74	78	77	87	86	89	80	78	77	78	74	85	80	70	70	70	73	80	80	86	85	80.2
	MIN	54	48	54	57	59	66	65	61	58	58	57	55	57	59	61	59	45	44	46	38	48	49	47	55	37	52	56	54	55	55	53	53.6
WASHBURN	MAX	74	81	85	84	83	91	87	91	79	75	81	76	75	89	87	77	70	71	65	77	75	81	74	78	71	72	82	81	80	86	81	79.3
	MIN	57	52	55	60	61	65	56	56	60	55	54	59	61	56	60	62	40	55	36	40	47	55	47	43	45	53	50	54	53	51	53	53.3
WATFORD CITY	MAX	78	85	91	89	90	85	87	90	75	66	79	69	73	87	85	73	74	64	65	78	76	83	71	72	71	79	83	77	78	82	86	78.7
	MIN	59	53	54	58	57	62	52	50	54	50	52	56	58	53	60	58	37	51	35	36	44	51	39	45	48	55	50	54	48	47	46	50.7
WESTHOPE	MAX	74	79	84	84	85								75	80	81	76	63	55	57	64	61	61	60	56	62							
	MIN	51	56	55	56	54								56	50	57	55	36	46	35	38	42	52	36	46	43	55	55	51	50	41	40	48.2
WILLISTON WB CITY	MAX	77	83	91	86	88	80	84	86	65	66	74	69	76	86	86	71	72	62	64	76	73	84	63	67	67	77	82	75	72	78	85	76.3
	MIN	59	59	59	63	58	63	56	55	54	51	55	57	59	58	60	45	39	44	40	42	44	51	40	46	51	57	53	54	51	50	45	52.2
WILLOW CITY	MAX	77	77	80	81	80	88	84	87	73	71	69	75	70	85	85	73	66	67	63	75	71	78	65	62	69	74	83	82	79	82	79	75.8
	MIN	50	49	50	50	52	59	54	53	52	45	46	56	58	56	56	50	37	47	35	33	43	49	36	46	35	53	46	48	52	48	43	48.0
WILTON RR STATION	MAX	66	73	79	82	81	80	90	85	89	70	71	76	73	74	86	86	72	87	70	61	75	70	78	65	64	69	70	78	80	78	85	75.6
	MIN	52	51	51	55	57	60	58	55	56	52	52	56	56	54	60	57	40	46	33	31	45	48	39	42	41	45	46	50	51	48	52	49.6
WISHEK	MAX	69	71	82	83	84		87	88	89	82	77	78		78	92	91	79	68	71		76	68	82	71	70	67	68	79	81	77	86	78.4
	MIN	55	39	46	53	58		55	51	50	52	55	59			43	40	38	42	36		36	50	44	45	40	51	48	44	55	52	51	47.4

EVAPORATION AND WIND

Table 6

Station		Day of month																													Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Dickinson Exp Sta a	EVAP	.18	.10	.21	.33	.25	.35	.34	.29	.32	.17	.15	.14	.05	.12	.22	.24	.31	.18	.21	.14	.25	.16	.28	.24	.18	.16	.13	.19	.20	.23	.25	6.57
	WIND	175	60	80	150	105	175	110	80	75	165	100	60	85	75	80	80	110	125	160	75	120	60	140	140	115	115	55	55	70	70	90	3155
Mandan Exp Sta a	EVAP	.21	.17	.21	.28	.26	.25	.18	.15	.18	.20	.20	.10	.13	.11	.15	.17	.32	.22	.31	.18	.19	.17	.20	.25	.17	.13	.10	.13	.15	.18	.18	5.83
	WIND	171	77	75	136	146	190	74	29	31	137	101	64	114	72	42	44	166	83	215	83	105	75	126	145	106	105	41	43	46	84	78	3004
Riverdale	EVAP	*	.10	.30	.40	.40	.40	.33	.46	.35	*	*	*	*	.68	.26	.29	.29	.23	.27	.23	.26	.15	.49	.12	.19	.11	.17	*	.40	.34	.30	7.52
	WIND	95	57	96	173	187	194	72	82	70	100	133	99	118	93	63	91	87	96	138	95	92	82	133	144	116	157	54	64	62	78	87	3208

a Pan 6 feet in diameter; 24 inches deep; in ground 20 inches.

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Adams 7 S	0022	Walsh	10	48 20	98 06			7A	Myron J. Bata	3
Alexander RR Station	0096	McKenzie	13	47 50	103 38	1200		6A	Arthur J. Baumann	3
Almont 7 SW	0136	Morton	4	46 43	101 39	2300	7P	7P	Bogan Ramsland	2 3 5 7
Alpha 1 S	0149	GoldenValley	7	46 37	103 49			7P	B. A. Bury	3
Ambrose	0189	Divide	12	48 58	103 28	2060		6P	Ronald L. Hanson	3
Ameeia	0196	Cass	11	47 00	97 13	960	SS	SS	Virgil L. Gebeke	2 3 5 7
Amidon	0209	Slope	1	46 30	103 19	2910	SP	SP	Tafield Zundel	2 3 4 5
Antler	0263	Bottineau	12	48 58	101 20	1540			W. R. Wegner	3 4
Arvilla State Park	0369	Grand Forks	10	47 56	97 30	960	6P	6P	Albert Thoren	2 3 5
Ashley	0382	McIntosh	8	46 02	99 22	2025	8A	8A	Soo Line Agent	2 3 4 5 7
Baldhill Dam	0450	Barnes	11	47 02	98 05	1300	8A	8A	F. A. Johnson	2 3 5
Balfour	0492	McKenry	12	47 57	100 32	1615		MID	Raymond E. Weller	3 4
Balta	0500	Pierce	11	48 10	100 02			6P	Wick Schaan	3
Bantry	0516	McHenry	12	48 30	100 36			6P	Temple K. Roberts	3
Baach	0590	GoldenValley	7	46 55	104 01	2814	7A	7A	Luther F. Bodgin	2 3 4 5 7
Belcourt Indian Hos.	0626	Rolette	9	48 50	99 45	1960	7P	7P	Turtle Mt. Ind. Ag.	2 3 4 5
Belfield	0639	Stark	4	46 52	103 11	2592	7P	7P	Carl Indergaard	2 3 5
Berlhold	0729	Ward	12	48 19	101 44	2080		6P	Joseph S. Cox	3
Beulah	0766	Mercer	6	47 16	101 47	1780		7P	Knife Riv. Coal Co.	3 4
Biesee	0796	Towner	2	48 37	99 22	1600	8P	6P	Robert J. Krick	2 3 5
Bismarck WB City	0814	Burleigh	8	46 48	100 44	1870	5P	5P	D.S.Weather Bureau	2 3 5
Bismarck WB Airport	0819	Burleigh	8	46 46	100 45	1650	MID	MID	U.S.Weather Bureau	2 3 4 5 7
Bottineau	0941	Bottineau	12	48 50	100 27	1638	4P	4P	N.D. Schl of Frstry	2 3 5
Bowbells RR Station	0961	Burke	12	48 48	102 15	1958	8A	8A	Charles Kaufman	2 3 5
Bowman Court House	0995	Bowman	3	46 11	103 23	2872	5P	5P	O. B. Hook	2 3 4 5
Breien	1052	Morton	1	46 24	100 57	1720		MID	Frank S. Potter	3 4
Butte	1225	McLean	12	47 50	100 40	1880	5P	5P	Art F. Peterson	2 3 5
Cando	1288	Towner	2	48 29	99 12				Harry E. Barris	3 4
Carrington	1360	Foster	5	47 27	99 08	1579	7A	7A	Soo Line Agent	2 3 5
Carson	1365	Grant	4	46 25	101 34	2300		MID	Vincent Muggli	3 4
Carson 2 SW	1370	Grant	4	46 23	101 35	2500	7P	7P	J. W. Evens	2 3 5 7
Cavalier Power Plant	1435	Pembina	8	48 48	97 38	894	5P	5P	T. W. Thorstelnson	2 3 5
Center	1456	Oliver	8	47 07	101 18	2100	7P	7P	Fred L. Seinz	2 3 5 7
Colgate	1686	Steele	10	47 14	97 39	1180		6P	O. W. Jensen	3
Columbus	1696	Burke	12	48 54	102 47	1930		6P	J. D. Sundell	3
Cooperstown	1766	Griggs	11	47 26	98 07	1428	5P	5P	R. J. Lockner	2 3 5
Courtenay	1816	Stutsman	5	47 13	98 34	1523		6P	G. H. Ranawalt	3
Crosby	1371	Divide	12	48 54	103 18	1954	7A	7A	Vernon V. Wichols	2 3 4 5 7
Dawson	2018	Kidder	8	46 52	99 45	1730		MID	Ralph W. Wise	3 4
Devils Lake WB City	2158	Ramsey	2	48 07	98 52	1471	MID	MID	D.S.Weather Bureau	2 3 4 5 7
Dickinson CAA AP	2183	Stark	4	46 48	102 48	2587	MID	MID	D.S.Civil Aero Adm	2 3 4 5 7
Dickinson Exp. Station	2188	Stark	4	46 53	102 48	2460	7A	7A	Leroy Moomaw	2 3 5 6
Donnybrook	2241	Ward	12	48 10	101 53	1760		6P	William B. Bowman	3
Drake	2298	McHenry	12	47 55	100 22	1634	7A	7A	Paul Kuntz	2 3 5
Dunn Center	2365	Dunn	6	47 21	102 37	2191	6A	6A	Charles C. Neustel	2 3 5 7
Dunseith St. Sanitarium	2385	Rolette	12	48 50	100 02	2001	5P	5P	N. D. State Hospital	2 3 5
Eckman	2472	Bottineau	12	48 39	101 03	1500	7A	7A	S. B. Sherman	2 3 5
Edgeley Exp. Farm	2482	La Moure	5	46 20	98 42	1568	8A	8A	N.D. Agri. Exp. Sta.	2 3 4 5 6 7
Edmore 1 W	2525	Ramsey	2	48 25	98 29	1524	8P	8P	Mike Davis	2 3 5
Elbowoods	2570	McLean	8	47 35	102 08	2082	6P	6P	H. W. Case	2 3 5
Elgin 5 S	2592	Grant	1	46 21	101 49			6P	Art A. Eslinger	3
Ellendale	2605	Dickey	5	46 00	98 31	1460	8P	8P	Paul Gress	2 3 5 7
Epping	2735	Williams	8	48 18	103 21	2224	6P	6P	B. Beuchler	2 3 5
Esmond	2767	Benson	11	48 02	99 46	1650		MID	Lyle O. Fering	3 4
Fairfield 8 W	2809	Billings	7	47 19	103 12	2650		6P	Mrs. Edith Larson	3
Fargo WB Airport	2859	Cass	10	46 54	96 48	885	MID	MID	U S Weather Bureau	2 3 4 5 7
Feasenden	2949	Wells	5	47 39	99 37	1610	6P	6P	John V. Zuber	2 3 5 7
Flasher	3008	Morton	1	46 27	101 14	1930		8A	George M. Glnclair	3
Flaxton	3019	Burke	12	48 54	102 23	1940		8P	Palmer M. Dunbas	3
Forman	3117	Sargent	10	46 06	97 38	1249	6P	6P	Art Waterman	2 3 5 7
Fort Yates	3207	Sioux	8	46 06	100 38	1640	8S	8S	Stand Rk Indian Agy	2 3 4 5 7
Foxholm Wildlife Refuge	3217	Ward	12	48 27	101 33	1609	5P	5P	U S Wildlife Refuge	2 3 5
Fryburg	3277	Billings	4	46 53	103 53	2790		7A	Herman J. May	3 4
Fullerton	3287	Dickey	5	46 10	98 25	1439	6P	6P	F. O. Alin	2 3 5
Gackle	3309	Logan	5	46 38	99 08	1951	6P	6P	David R. Bamm	2 3 5
Garrison	3376	McLean	8	47 38	101 25	1911	MID	MID	George J. Mahowald	2 3 5
Gladstone 22 N	3446	Dunn	6	47 11	102 38				Richard Bailey	3 4
Glen Ullin	3496	Morton	4	46 49	101 49	2090		MID	Louis W. Gauer	3 4
Golva 1 SE	3556	GoldenValley	7	46 47	103 57	2780		MID	Isadore Margulies	3 4
Grafton State School	3594	Walsh	10	48 25	97 26	827	5P	5P	Dr. J. C. Lamont	2 3 5 7
Grand Forks CAA AP	3616	Grand Forks	10	47 56	97 05	834	MID	MID	U S Civil Aero Adm	2 3 4 5 7
Grand Forks Dniversity	3621	Grand Forks	10	47 55	97 05	830	MID	7P	Dniversity of N. D.	2 3 5
Grano	3676	Renville	12	48 37	101 35	1625		MID	Robert J. Decker	3 4
Granville	3686	McHenry	12	48 16	100 51	1504	7P	7P	Fred Rohle	2 3 5
Graesy Butte	3696	McKenzie	7	47 24	103 14	2660			Sam Charchenko	3 4
Gregora	3736	Williams	8	48 37	103 56	2114	5P	5P	L. D. Nielson	2 3 5
Haley	3836	Bowman	3	48 58	103 08				J. E. Crawford	3 4
Halliday	3846	Dunn	6	47 21	102 20	2073		6P	John Klose	3 4
Hankinson RR Station	3908	Richland	10	46 04	96 54	1068	7A	7A	Soo Line Agent	2 3 5
Hannaford	3926	Griggs	11	47 18	98 12	1428		MID	Relen Benson	3 4
Hannah	3936	Cavalier	9	48 59	98 41	1570	6P	6P	D S Customs Office	2 3 5
Hannaboro	3963	Towner	9	48 57	99 23	1597	7P	7P	W. E. Dlaher	2 3 5
Harvey Water Works	4013	Wells	11	47 45	99 53	1596		6P	B. J. Reynolds	3
Haynes 6 NE	4073	Adams	1	46 01	102 24	2640		MID	Byron B. Bobb	3 4
Hazelton RR Station	4083	Emmons	8	46 29	100 17	1978		MID	Ephrain Zacher	3 4
Hettinger	4178	Adams	3	46 00	102 38	2680	8P	6P	Gerhard Christianson	2 3 4 5 7
Hillsboro	4203	Traill	10	47 24	97 04	901	6P	6P	Alfred Jahnke	2 3 5
Hurdsfield	4343	Wells	5	47 27	99 55	1915		MID	Mrs. Ruth Buchwitz	3 4
Jamestown CAA AP	4413	Stutsman	5	46 55	98 41	1497	MID	MID	U S Civil Aero Adm	2 3 4 5 7
Jamestown State Hospital	4418	Stutsman	5	48 53	98 40	1457	7P	7P	N.D. State Hospital	2 3 5
Kenmare	4646	Ward	12	48 40	102 05	1800	8A	8A	Theo B. Eckberg	2 3 4 5
Kensal Wildlife Refuge	4656	Stutsman	5	47 15	98 52	1440	7P	7P	U S Wildlife Refuge	2 3 5
Killdeer 8 NW	4726	Dunn	7	47 28	102 53	2240		7A	Leonard J. Davis	3
Kramer 5 SE	4623	Bottineau	12	48 39	100 37			MID	Paul A. Kretschmar	3 4
La Moure	4937	La Moure	5	46 21	98 18	1382	7P	7P	Andrew Remick	2 3 5
Langdon Exp. Farm	4958	Cavalier	9	48 45	98 21	1615	5P	5P	V. Sturlaugson	2 3 5 7
Lansford	5002	Bottineau	12	48 38	101 22	1600		6P	C. L. McKeen	3
Larimore	5013	Grand Forks	10	47 54	97 38	1134	7P	7P	Klem Peterson	2 3 5
Leeds	5078	Benson	2	48 17	99 26	1515	7P	7P	John Fager	2 3 5
Lefor 10 E	5088	Stark	4	46 38	102 21	2580		5P	Joseph Link	3
Linton	5210	Emmons	8	46 16	100 14	1711	8P	8P	William Heyerman	2 3 5 7
Lisbon	5220	Ransom	11	46 26	97 41	1091	7A	7A	Robert W. Jodeaan	2 3 5 7
Maddock Agri. School	5434	Benson	11	47 58	99 30	1604	6P	6P	Benson Cy Agr 6chl	2 3 5
Mandan Exp. Station	5478	Morton	4	46 48	100 54	1750	8A	8A	No G.P. Field Sta.	2 3 4 5 6
Mandan Ft. Lincoln Park	5484	Morton	8	46 47	100 52	1700	6P	6P	Park Dupt.	2 3 5
Manning	5519	Dunn	6	47 14	102 46			6P	Miss Jeanette Dawes	3
Marmarth	5573	Slope	7	46 18	103 55	2714	6P	6P	S. P. Grane	2 3 5 7
Marmarth M D U Co.	5575	Slope	7	46 18	103 55	2710			G. B. Jeetnes	3 4
Martin	5610	Sheridan	11	47 50	100 07	1610		6P	John W. Magnuson	3
Max	5638	McLean	6	47 49	101 17	2083	7A	7A	Soo Line Agent	2 3 5
Mayville	5660	Traill	10	47 30	97 19	975	6P	6P	B. A. Ragaz	2 3 5 7
McClusky	5710	Sheridan	8	47 29	100 29	1943	11A	11A	Elmer L. Schielke	2 3 5 7
McGregor RR Station	5720	Williams	8	48 36	102 56			MID	Hartwin Rermanson	3 4
McHenry 5 S	5730	Eddy	11	47 38	98 35	1508	8P	8P	C. 6. Blasky	2 3 5 7
McLeod 3 W	5754	Richland	11	46 24	87 14	1075	7P	7P	J. G. Carlson	2 3 5
McVille	5764	Nelson	10	47 46	98 11	1467		6P	H. B. Kniefel	3
Medina 1 W	5798	Stutsman	8	46 53	99 19			6P	Rudolph Graf	3
Medora TRMP	5813	Billings	7	46 58	103 30	2250	5P	5P	D S Forest Service	2 3 5 7
Melville	5833	Foster	5	47 20	98 02	1825		MID	Edgar S. Stegmeier	3 4
Minot CAA AP	5988	Ward	12	48 15	101 17	1724	MID	MID	U S Civil Aero Adm	2 3 4 5 7
Minot Exp. Farm	5993	Ward	12	48 10	101 18	1720	6P	6P	N C Agri Exp Sta	2 3 5
Moffit RR Station	6015	Burleigh	8	46 41	100 18	1760		8A	Soo Line Agent	3
Mohall	6025	Renville	12	48 46	101 31	1639	8P	9P	Iver Johnson	2 3 5 7
Montpelier	6105	Stutsman	5	46 42	98 35			8A	Rolf Banson	3
Mott	6155	Bettinger	1	46 23	102 20	2420	B8	86	Forrest E. Coffing	2 3 4 5 7
Munich 4 SW	6195	Cavalier	2	48 38	98 53	1598	7P	7P	Harold Feldner	2 3 5
Napoleon 1 SE	6255	Logan	8	46 29	99 45	1955	7P	7P	Gladys J. Peterson	2 3 4 5 7
New England	6315	Hettinger	1	46 33	102 32	2621	5P	5P	Adna S. Hatch	2 3 5
New Rockford	6350	Eddy	5	47 41	99 08	1555		86	Valentine A. Rieder	3
New Rockford 6 NW	6355	Eddy	5	47 44	99 15	1550		6P	Richard Steinbach	3
New Salem 1 S	6365	Morton	4	46 50	101 25	2163	6P	6P	William F. Gaebe	2 3 5
Noonan	6455	Divide	12	48 53	103 01	1960		6P	George Kostek	3
Northgate	6535	Burke	12	49 00	102 16	1850			U S Customs Station	3 4
Oakes	6620	Dickey	5	46	98 05	1320	8A	8A	C. M. Hagen	2 3 4 5
Park River	6857	Walsh	10	48 23	97 45	998	5P	5P	Martin Severson	2 3 5
Parshall	6867	Mountrail	8	47 57	102 08	1929	6P	6P	C. E. Shubert	2 3 5 7
Pembina CAA AP	6947	Pembina	10	48 57	97 15	792	MID	MID	U S Civil Aero Adm	2 3 4 5 7
Petersburg	7027	Nelson	10	48 01	98 00	1524	7P	7P	T. C. Overland	2 3 5 7
Pettibone	7047	Kidder	8	47 07	99 31	1860	7P	7P	L. H. Dethloff	2 3 5 7
Portal	7201	Burke	12	49 00	102 33	1954	9A	9A	U S Customs Ser.	2 3 5 7
Powers Lake	7281	Burke	8	48 34	102 39	2205	5P	5P	E. J. Lewis	2 3 5
Pretty Rock	7311	Grant	1	46 11	101 51			6P	Freda Leer	3
Raub	7405	McLean	8	47 44	102 04			MID	Alvin Larson	3 4
Reeder	7450	Adams	3	46 06	102 57	2810		6P	Henry A. Donner	3
Reeder 14 N	7452	Slope	1	46 19	102 57	2860		8A	Chas. M. Wetzlnger	3
Richardton Abbey	7530	Stark	4	46 53	102 19	2467	5P	5P	Assumption Abbey	2 3 4 5 7
Riverdale	7585	McLean	8	47 30	101 24	1910	5P	5P	Corps of Engineers	2 3 4 5 6 7
Rolette	7655	Rolette	12	48 40	99 50	1625	MID	MID	George F. Gehres	3 4
Rolla	7664	Rolette	9	48 52	99 37	1860	7P	7P	Theo R. Pagerlund	2 3 5 7
Rugby	7704	Pierce	12	48 22	100 00	1580	6P	6P	Frank Hornstein	2 3 5 7
Ryder	7749	Ward	8	47 55	101 40	2108		9A	S. C. Schellenbaum	3 4
Sanish	7834	Mountrail	8	47 59	102 32	1835	7A	7A	H. J. Sugge	2 3 5
Sarles	7844	Cavalier	9	48 57	99 00	1585		MID	Clarence J. Olson	3 4
Selfridge 11 W	7952	Sioux	8	46 01	101 10	2133		7P	L. E. Wilson	3
Sharon	7986	Steele	10	47 36	97 54	1516	8P	8P	Hugh Lyon	2 3 5 7
Sherwood	8047	Renville	12	49 00	101 38	1647		6P	U S Customs Service	3
Sheyenne	8057	Eddy	11	47 50	99 07	1500		MID	Pehr A. Peterson	3 4
Shield	8065	Grant	1	46 14	101 07			6P	Edwin C. Carlson	3
Stanley	8276	Mountrail	8	48 19	102 24	2260	7P	7P	Leroy Edwards	2 3 4 5 7
Steele	8366	Kidder	8	46 51	99 55	1857	8P	8P	Leon V. Lesher	2 3 5 7
Tagus	8627	Mountrail	12	48 20	101 56	2179		6P	George N. Pilgard	3
Tioga	8737	Williams	8	48 24	102 56	2279		6P	L. A. Simon	3
Tolley 4 WE	8764	Renville	12	48 46	101 47			8P	Carsle Nelson	3
Towner	8792	McHenry	12	48 21	100 24	1482	7P	7P	August D. Rieder	2 3 5
Trotters	8807	GoldenValley	13	47 20	103 54	2419		5P	Walter Grunewald	3
Trotters Gen. Store	8812	GoldenValley	13	47 20	103 54	2420		MID	Eugene A. Russell	3 4
Turtle Lake	8840	McLean	8	47 31	100 53	1699	7P	7P	Art Klungtvedt	2 3 5
Tuttle 8 SW	8850	Kidder	8	47 02	100 04	1936		6P	Adam Lenz	3
Underwood 12 W	8877	McLean	8	47 26	101 24	1750	6P	6P	Mrs. F. W. Mattoon	2 3 5
Upham Wildlife Refuge	8913	McHenry	12	48 37	100 44	1425	5P	5P	U S Wildlife Refuge	2 3 5 7
Valley City	8937	Barnes	11	46 55	98 00	1229	6P	6P	Miss L.C.Robertson	2 3 5
Van Nook	8970	Mountrail	8	47 57	102 21	1864	9P	9P	Erwin A. Ventsch	2 3 5
Velva	8990	McHenry	12	48 03	100 55	1511	6P	6P	Oscar Anderson	2 3 5 7
Verona	9035	La Moure	5	46 22	98 04			10A	Louis J. Frandson	3
Wahpeton Power Plant	9095	Richland	10	46 17	96 36	962		MID	Victor Burton	3 4
Wahpeton State School	9100	Richland	10	46 16	96 36	962	5P	5P	St 6ch of Science	2 3 5 7
Walhalla	9155	Pembina	9	48 56	97 54	950		7P	Joseph A. Wexler	3
Washburn	9195	McLean	8	47 17	101 02	1731	6P	6P	Fred F. Jefferis	2 3 5
Washburn Water Works	9205	McLean	8	47 17	101 02	1730			Washburn Water Wks	3 4
Watauga 8 N, S. Dak.	9219	Grant	1	46 02	101 34			6P	John C. Spicer	3
Watford City	9233	McKenzie	8	47 48	103 17	2084	8P	8P	J. C. Zeller	2 3 5 7
Westhope	9333	Bottineau	12	48 55	101 01	1504	6P	8P	Rev. R. Caroy	2 3 5
Wildrose	9400	Williams	8	48 33	103 10	2258		6P	Jonathan Winkjer	3
Williston WB City	9425	Williams	8	48 09	103 35	1877	MID	MID	U S Weather Bureau	2 3 4 5 7
Willow City	9445	Bottineau	12	48 36	100 17	1471	8P	8P	O. M. Sanderson	2 3 5
Wilton RR Station	9455	McLean	8	47 09	100 48	2159	8A	8A	Soo Line Agent	2 3 5
Wishek	9515	McIntosh	8	46 16	99 34	2010	8A	8A	H. M. Larson	2 3 5
Zahl	9635	Williams	8	48 34	103 41	2000		8P	Ola Severteen	3

NEW STATIONS

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Dowbells 5 E	0866	Ward	12	48 47	102 08	1925	8A	8A	Development Farm	2 3 5 6 7
Glen Ullin 18 N	3501	Mercer	6	47 04	101 47			6P	Adam H. Peler	3
Golden Valley 10 S	3529	Mercer	6	47 10	102 03			6P	Robert H. Backfisch	3
Grassy Butte 10 N	3701	McKenzie	7	47 31	103 14			6P	Edsel G. Crist	3
Keene	4571	McKenzie	8	48 00	102 55			6P	Donald M. Lund	3
Watford City 11 E	9238	McKenzie	8	47 47	103 02			MID	Ida Peterson	3 4

† Drainage Code: 1. Cannonball 2. Devils Lake 3. Grand 4. Heart 5. James 6. Knife 7. Little Missouri 8. Missouri 9. Pembina 10. Red 11. Sheyenne 12. Sourie 13. Yellowstone

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the postoffice.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830 C.S.T.

-	No record in Tables 3, 4, 6, 7 and the Station Index. No record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
+	And also on a later date or dates.
*	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
6	Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
AR	This entry in time of observation column in Station Index means after rain.
B	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table 5 for detailed daily record.
R	Daily values and monthly total from recording gage. All other data in Table 3 are from non-recording gages.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
SS	This entry in time of observation column in Station Index means observation made near sunset.

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W.B.O., Kansas City, Mo. -- 10-19-50 -- 1145

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Nat. Hist.

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CLIMATOLOGICAL DATA

NORTH DAKOTA

SEPTEMBER 1950
Volume LIX No. 9



KANSAS CITY: 1950

NORTH DAKOTA - SEPTEMBER, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

The outstanding feature of Septemher 1950 weather was the ahundant rainfall in nearly all parts of the state. Temperatures averaged ahove normal without any extremes being recorded. Rainy weather delayed harvest and threshing so that much was still to he done at the end of the month.

The mean temperature for the state was 57.9 degrees or 0.8 degree above normal. The eastern division with a mean temperature of 58.9 degrees was the warmest section of the state. This is 1.4 degrees above the normal. All stations reported above-normal temperatures. In the middle division the mean temperature was 57.7 degrees or 0.7 degrees above normal. Here a few scattered stations reported mean temperatures slightly helow normal. The western division was the coolest with a mean temperature of 57.0 degrees, or 0.2 degree ahove normal. Nearly half of the stations in this area reported helow normal temperatures. The highest temperature in the state was 100 degrees reported at Drake on the 7th and at Grenora and Medora on the 4th. The warmest periods were the first week and from ahout the 19th to the 26th. The coldest temperature in the state was 23 degrees at Medora on the 29th. Freezing temperatures also occurred at scattered stations ahout the 11th and 12th. Nearly all stations had freezing temperatures over the 29th, although a few did miss a killing freeze

Precipitation averaged considerahly ahove normal over the state with wide variation in amounts. The average for the state was 2.42 inches or 0.89 inch above normal. The east portion recorded the greatest amount with an average of 3.15 inches or 1.34 inches ahove normal. The northeast portion had the greatest amount with Pemhina reporting 6.38 inches or 4.2(inches ahove their normal. On the other hand a few stations in the southeast reported below-normal amounts. Forman measured 0.96 inch for the least amount. This is 1.11 inches helow its normal for September. The middle division with a average precipitation of 1.87 inches was 0.44 inch ahove normal. This area received the least precipitation of any section in the state. Mohall recorded 3.87 inches for the greatest amount which is 2.31 inches ahove normal, and Towner reported the least amount with 0.83 inch which is 0.89 inch helow normal. The western division received precipitation ranging from 3.62 inches at Kenmare (2.05 inches ahove normal) to 1.02 inches at Hettinger (0.28 inch helow normal). The average precipitation was 2.24 inches or 0.98 inch ahove normal. On the 10th Pemhina reported 3.31 inches rain for the greatest amount in a single day. Many stations over the state reported amounts over an inch on that day. The first snow of the season fell over the 29th and 30th with measurable amounts recorded only in the west portion. Beach received inches for the largest snowfall.

Harvesting was delayed time after time during the month due to rainy periods. The first week was excellent and a great deal was accomplished. However, rainy weather set in and only a slight amount of harvesting was done until the period of the 19th to 26th when conditions again hecame quite favorable. By this time harvest and threshing were nearly done in most southern counties, hut not much over half of the wheat was done in the northern counties. Oats and harley were pretty well cleaned up in all areas of the state. Not much flax had been harvested hy the end of the month. Wheat suffered some damage in the swath due to the long periods of wet weather. Color was often poor and moisture content of threshed grain quite high; in some cases it was too high to he properly and safely hinned. Considerable amounts of grain were piled on the ground due to lack of storage and lack of shipping facilities to clear the elevators. The wheat crop averaged generally very good in spite of a hackward early season. Yields and quality were cut considerahly in many areas due to stem rust. Frost damage hecame more apparent in a few areas as threshing progressed. Potato digging and sugar beet lifting were just getting started hy the end of the month. Fall plowing was estimated to he about one-fourth done. Topsoil moisture improved considerahly during the month and was adequate in all sections of the state. Suhsoil moisture improved hut was still short in a few southern and southeastern counties. Livestock was in good condition throughout the month.

While there were no really severe storms during the month, scattered hailstorms were reported throughout the state on the 17th resulting in some damage to crops. In a few localities the most severe thunderstorms of the year were reported. Little or no property damage occurred.--CJS

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this hulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages --mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works hy the Corps of Engineers. This Network, now numbering ahout 2,000 recording, and 1,000 non-recording rain gages, has been maintained hy the Weather Bureau through working funds transferred annually to the Weather Bureau hy the Corps of Engineers. These transfers averaged ahout $250,000 per year hetween 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred ahout $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this hulletin series, data from Hydroclimat Network stations were presented in hullstins (Hydrologic Bulletins) whi were issued monthly for each of 8 drainage areas embracing the entire Unit States, hut since the Network was established to meet the internal requir ments of the Federal agencies referred to ahove, no provision was made f public dissemination of the data, distribution being limited to cooperati agencies and to certain public repositories. A list of locations where re srence copies of the Hydrologic Bullstin Series are available for inspecti may he ohtained upon application to Chief, U. S. Weather Bureau, Washingt 25, D. C.

Many other records published in this hulletin have been made available throu the cooperation of various public offices, private agencies, and individua as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01–.09	.10–.49	.50–.99	1.00–1.99	2.00 and over	Total			
Bismarck WB Airport	SSE	14	9.4	34	NW	27	79	85	53	56	5	3	4	1	0	0	13	53	5.7	See Table 2
Devils Lake WB City	-	-	8.1	27	NW	27	-	-	-	-	2	5	3	2	0	0	12	66	4.8	
Fargo WB Airport	S	12	12.2	36	W	27	75	85	53	54	4	5	4	1	0	0	14	77	5.3	
Williston WB City	-	-	6.1	31	W	27	74	85	57	51	2	2	7	0	1	0	12	65	5.8	

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	59.2	101	24	0.84	0	4	1914	59.3	98	25	1.03	0	5	1936	60.3	102	12	1.15	T	5
1893	57.1	102	8	0.81	0.1	4	1915	54.6	104	23	2.32	0	9	1937	58.6	104	20	1.47	0.1	6
1894	58.2	104	18	1.38	0	5	1916	55.1	99	15	1.43	T	6	1938	61.9	99	21	0.63	0	4
1895	56.6	100	12	0.77	0	4	1917	56.4	97	16	1.04	0	5	1939	58.9	98	11	0.68	0.2	5
1896	53.0	98	11	1.61	0	6	1918	51.9	93	11	0.40	T	3	1940	62.8	103	20	1.06	0	4
1897	64.1	109	18	0.28	0	2	1919	58.6	100	20	0.94	0.3	5	1941	55.3	94	17	4.61	0.2	11
1898	56.8	98	10	1.25	0	4	1920	59.0	99	19	2.21	T	8	1942	54.0	99	4	1.67	2.7	9
1899	55.0	101	11	0.58	T	3	1921	57.0	101	25	3.21	T	12	1943	55.6	94	19	0.51	0	4
1900	54.6	98	17	4.95	T	8	1922	59.8	104	23	2.10	0	6	1944	56.4	91	21	1.46	T	8
1901	53.6	100	12	2.01	T	7	1923	60.1	99	15	2.51	0	6	1945	54.5	103	14	2.14	0.1	9
1902	53.6	95	15	0.74	0	4	1924	55.0	98	20	2.09	T	7	1946	56.3	97	18	2.52	T	8
1903	51.6	90	18	2.99	0.7	7	1925	58.1	103	20	2.67	T	8	1947	55.5	101	13	1.45	T	7
1904	54.7	96	18	1.43	0	5	1926	52.3	95	9	2.30	0.5	9	1948	63.7	105	24	0.31	0	2
1905	59.8	104	23	1.67	0	5	1927	56.8	101	10	1.00	T	3	1949	55.6	94	13	0.56	T	4
1906	62.8	109	20	1.11	0	4	1928	53.9	95	12	1.00	T	5	1950	57.9	100	23	2.42	0.2	8
1907	52.1	96	9	1.39	T	6	1929	52.7	105	12	1.65	0	5							
1908	60.7	104	16	1.24	0.2	4	1930	56.2	98	10	1.02	0	4							
1909	59.0	93	24	0.95	0	4	1931	61.4	107	27	2.14	T	6							
1910	55.3	99	18	1.79	0.1	4	1932	56.8	102	22	0.63	0	3							
1911	54.9	95	21	2.37	T	8	1933	60.9	101	22	0.81	0	4	Period	56.9			1.54	T	
1912	51.5	101	18	2.62	0	10	1934	52.4	95	9	0.96	2.0	7							
1913	57.2	108	8	1.74	0.4	6	1935	57.2	105	16	0.43	0	3							

CLIMATOLOGICAL DATA

Table 2

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																			
Amenia	59.6	1.7	91	2	36	24	177	1	0	2.67	.77	1.45	10	0	0		5	2	1
Arvilla State Park	59.0		90	6	35	14+	212	1	0	5.79		2.78	10	T	0		7	3	2
Baldhill Dam	57.7		93	3	32	14+		2	2	2.79		.80	18	0	0		8	3	0
Carrington	58.0	1.1	90	3+	35	13		3	0	4.85	3.43	2.00	18	T	0		7	4	2
Cavalier Power Plant	57.5M	1.9	93	6	32	30	248	3	1	4.79	2.47	2.36	10	0	0		9	5	1
Cooperstown					34	29	309		0	4.16	2.40	2.00	10	0	0		5	3	2
Devils Lake WB City	57.8	1.9	91	5+	35	29	251	2	0	2.62	.99	.90	9+	0	0		10	3	0
Edgeley Exp. Farm	58.6	.3	94	3	33	13+		2	0	1.47	- .19	.57	16	0	0		7	3	0
Edmore 1 W	56.9	.5	90	6	33	29+	264	1	0	2.01	.16	.70	10	T	0		4	4	0
Ellendale	61.2	2.4	95	2	36	13+	146	2	0	2.08	.40	.57	18	0	0		11	4	0
Fargo WB Airport //	60.4	2.2	91	7	40	14+	167	2	0	1.54	- .68	.59	18	0	0		10	3	0
Forman	61.0	1.5	91	2	35	13	161	1	0	.96	-1.11	.62	18	0	0		4	1	0
Fullerton	60.3	2.3	95	2	35	13	164	2	0	1.27	- .69	.31	16	0	0		8	2	0
Gackle	59.6M	1.8					186			2.77	1.19	.92	15	0	0		6	4	0
Grafton State School	59.2	2.2	93	7	33	29	201	3	0	5.43	3.27	2.56	10	0	0		8	5	1
Grand Forks CAA AP //	58.8	1.9	91	2	36	29	216	1	0	5.17	3.25	2.31	10	0	0		10	4	2
Grand Forks Univereity	58.4	1.5	89	2	37	29	219	0	0	5.56	3.64	2.52	10	T	0		9	3	2
Sankinson RR Sta.	61.1	.6	89	8	37	24		0	0	1.96	- .14	.57	30	0	0		7	5	0
Hannah	56.4	1.6	90	5	31	29	279	1	2	1.84	- .27	.83	10	0	0		9	2	0
Hillsboro	59.4	.4	91	2	37	24	184	1	0	2.86	.79	1.25	10	0	0		6	2	2
Jamestown CAA AP //	57.8	.8	90	2+	35	14	235	2	0	1.79	.12	.84	10	0	0		7	2	0
Jamestown State Hospital	59.2	2.2	92	2	36	14	198	4	0	2.00	.33	.97	10	0	0		6	2	0
Kensal Wildlife	58.3		94	2	34	13+	221	3	0	4.14		2.56	10	0	0		7	4	1
La Moure	60.6M		98	6	34	14	163	3	0	1.31		.42	18	0	0		8	2	0
Langdon Exp. Farm	57.3	3.8	92	6	31	29+	259	2	2	3.22	.99	1.88	10	T	0		10	3	1
Larimore					38	29+	201		0	4.69	2.64	2.87	10	0	0		3	2	2
Lisbon					34	14+			0										
Mayville	60.4	1.9	90	2+	40	14+	169	2	0	3.28	1.22	1.38	10	0	0		7	3	2
McHenry 5 N	57.6	1.8	91	6	35	29	244	2	0	4.09	2.66	2.05	10	T	0		8	3	2
McLeod 3 E	60.5M	.9	93	2	35	24	180	2	0	1.76	- .27	1.40	18	0	0		5	1	1

See reference notes following Station Index.

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
Munich 4 SW	57.1		92	5	30	29	257	2	1	1.87		.88	10	T	0		8	2	0
Oakes	59.9	.9	96	3	34	28		2	0	1.60	- .16	.63	11	0	0		8	2	0
Park River	59.8	2.9	93	6	36	30	188	4	0	4.74	2.59	2.88	10	0	0		7	4	1
Pembina CAA AP //	57.0	2.5	92	6	31	30	262	1	1	6.38	4.20	3.31	10	0	0		8	5	1
Petersburg	57.8		91	6	35	30	248	1	0	4.20	2.23	2.85	10	0	0		9	3	1
Sharon	58.7	1.3	89	7	37	29	215	0	0	4.01	1.96	2.25	10	T	0		8	3	2
Valley City	59.3	.5	91	2	36	28	190	1	0	2.15	.36	.96	10	0	0		7	2	0
Wahpeton State School	62.1	2.1	88	7	37	24	119	0	0	2.77	.55	1.67	18	T	0		9	3	1
DIVISION	58.9	1.4								3.15	1.34			T					
MIDDLE DIVISION																			
Ashley //	58.7	.8	92	2	30	13+	212	2	2	1.60	.13	.61	15	0	0		6	2	0
Belcourt Indian Res.	54.0		89	5	27	29	338	0	3	1.74		.79	9	0	0		8	2	0
Bisbee	56.0	- .7	91	5	31	29	281	2	1	1.48	- .21	.75	10	0	0		8	1	0
Bismarck WB City	59.6	1.5	91	2+	35	14	204	3	0	1.46	.02	.49	18	0	0		6	2	0
Bismarck WB Airport	58.9	1.6	94	6	33	14	232	4	0	1.70	.47	.55	9	T	0		8	2	0
Bottineau	56.6	1.1	92	5	27	29	274	1	4	1.48	- .11	.83	9	0	0		8	1	0
Butte	58.1	.6	94	6	31	29	254	3	1	1.54	.06	.55	9	0	0		7	2	0
Carson 2 SW	58.1	0.0	95	4	34	12+	250	5	0	2.36	.92	.83	10	0	0		10	3	0
Center	57.6	- .5	94	3+	25	29	256	5	3	2.77	1.41	1.15	9	0	0		7	3	1
Drake	59.1 M	1.5	100	7	32	29		3	1	1.71	.28	1.18	11	T	0		9	1	1
Dunseith St. Sanitarium	56.7	1.7	90	6	27	29	272	1	2	1.18	- .49	.76	10	0	0		5	1	0
Fessenden	57.5	.9	91	6	34	15	263	1	0	2.07	.56	1.31	10	0	0		4	2	1
Fort Yates	59.6	- .6	90	2+	30	13	195	2	1	1.01	- .44	.36	27	0	0		7	2	0
Foxholm Wildlife	57.8	1.6	94	5	27	29	250	3	1	2.19	.64	.77	9	0	0		10	2	0
Garrison	57.4	1.5	93	4+	30	29	271	4	2	1.59	.13	.60	9	0	0		9	2	0
Granville	58.6 M	2.7	95	5	28	29	241	3	2	1.12	- .44	.43	9	0	0		10	1	0
Hansboro	55.0 M	.8	91	5	25	29	310	1	2	1.42	- .44	.68	9	0	0		9	1	0
Leeds	57.9		93	5+	32	29	251	2	1	1.71		1.03	18	T	0		6	2	1
Linton	60.0	.2	92	2	30	14	194	4	1	1.87	.30	.97	15	0	0		6	2	0
Mandan Exp. Station	58.6	0.0	93	7	32	12		4	1	1.65	.19	.68	10	0	0		8	2	0
Mandan Fort Lincoln	59.9		97	6	33	12+	199	4	0	1.74		.71	10	0	0		8	2	0
Max	57.5	.9	94	6	27	29		3	2	1.29	- .10	.71	10	0	0		9	1	0
McClusky	57.9 M	.7	92	6	34	12+	248	1	0	2.57	1.20	1.37	10	0	0		10	1	1
Minot CAA AP //	57.5	1.1	93	5	31	29	270	2	1	1.03	- .57	.40	9	T	0		9	1	0
Minot Exp. Farm	57.1		92	5	31	29	275	2	1	.98		.43	9	0	0		9	1	0
Moball	55.2	.3	89	4	30	29	305	0	1	3.87	2.31	2.33	9	0	0		10	2	1
Napoleon 1 SE	58.9	1.4	91	2	29	13	217	2	2	1.89	.43	1.07	15	0	0		6	2	1
New Salem 1 S	58.6	.3	92	6	33	12+	232	4	0	2.66	1.35	.65	17	T	0		8	4	0
Pettibone	58.4 M	1.8	91	2	32	14	236	2	1	2.98	1.64	1.21	19	T	0		8	4	1
Riverdale	58.0		94	4	33	29	257	3	0	2.45		.80	9				11	3	0
Rolla	55.4 M	.3	89	5	28	29	300	0	1	1.77	.02	.77	9	0	0		9	3	0
Rugby	58.7		92	5	31	29	229	2	1	1.94	.26	1.01	10	0	0		9	2	1
Steele	56.9	- .8	90	2	32	13+	259	1	2	3.16	1.63	1.10	10	0	0		8	5	1
Towner	56.6	- .3	94	5	25	29	282	2	4	.83	- .89	.45	9	0	0		6	1	0
Turtle Lake	58.0	.5	94	6	32	29	245	2	1	1.96	.69	.71	10	0	0		9		0
Underwood 12 W	57.9	- .3	95	6	27	29	259	4	2	1.85	.45	.83	10	0	0		10	1	0
Upham Wildlife Re.	57.0 M		95	5	2B	29	257	2	3	1.34		.58	9	0	0		8	1	0
Velva	57.4	.2	93	5	33	29	273	3	0	1.70	.14	.48	10	T	0		9	3	0
Washburn	59.5	:2	93	6	34	29	219	3	0	2.48	1.21	1.03	9	T	0		8	3	1
Westhope					30	29			1	3.46	2.01	2.20	9	0	0		9	2	1
Willow City	56.1	1.4	92	5	30	29	274	1	2	1.06	- .59	.64	9	0	0		8	1	0
Wilton RR Station	56.2	-1.1	91	7	31	29		1	1	2.24	.99	1.22	10	0	0		8	3	1
Wisbek	57.0 M	- .2	91	3	26	13+		1	2	1.56	.11	.62	15	0	0		6	2	0
DIVISION	57.7	.7								1.87	.44			T					
WESTERN DIVISION																			
Almont 7 SW	58.5		95	4	33	12+	249	4	0	3.43		.74	9	T	0		10	4	0
Amidon	58.1 M	- .3	96	6	31	12+	259	5	4	1.84	.37	.60	13	0	0		8	5	0
Beach	56.3	-1.1	97	4	27	29	301	3	2	3.27	2.00	.66	30	4.0	1	30	9	6	0
Belfield	55.9	-2.1	96	4	26	29	307	4	5	2.35	1.01	.60	13	0	0		10	4	0
Bowbells	56.7	2.1	95	4	30	29		2	2	2.41	1.00	.84	9	0	0		9	3	0
Bowbells 5 E										2.22		.81	10	T	0		9	2	0
Bowman Court House //	56.9 M	- .9	92	5	32	30	292	3	1	2.13	.86	.71	19	0	0		11	2	0
Crosby	55.9	1.1	97	5	28	29		1	4	2.09	.85	.65	9	0	0		9	3	0
Dickinson CAA AP	56.6	.2	96	4	28	29	299	4	2	1.44	.14	.34	13	T	0		12	2	0
Dickinson Exp. Sta.	57.2	.8	98	5	26	29		4	2	1.77	.47	.42	13	T	0		11	4	0
Dunn Center	55.6	- .9	98	5	26	29		4	5	1.91	.51	.45	16	0	0		10	4	0
Elbowoods	56.4	-1.1	98	4	25	30	289	4	4	1.75	.26	1.12	30	0	0		5	2	1
Epping	57.2	.5	99	4	27	29	276	3	2	2.60	1.31	1.38	9	0	0		8	3	1
Grenora	57.6	2.3	100	4+	26	29	265	4	3	1.B4	.61	1.54	9	.5	1	29	2	2	1
Rettinger	60.8	2.2	92	4	33	13+	223	2	0	1.02	- .28	.31	9	0	0		6	2	0
Kenmare	57.3	1.1	92	5	32	12+		2	2	3.62	2.05	1.07	18	0	0		11	4	2
Marmarth	57.3	- .5	97	4	29	29	275	4	1	1.35	.09	.48	12	1.0	T	29	9	2	0
Medora TRNMP	56.8 M		100	4	23	29	312	4	3	2.83		1.16	9	.7	1	30	10	4	1
Mott	56.5	-1.3	94	4	29	29	2B5	4	3	2.16	.79	.75	9	0	0		9	3	0
New England	57.5	.1	95	4	28	29	265	4	2	1.42	.05	.34	13	0	0		7	3	0
Parshall	55.7	.4	95	4+	25	29	307	2	3	1.71	.22	.45	9	T	0		9	2	0
Portal	56.2 M	1.0	94	5	29	29		1	2	2.09	.63	.93	10	1.0	0		9	2	0
Powers Lake 1 N										2.36	1.07	1.59	9	.3	0		7	1	1
Richardton Abbey	57.6 M	- .6	95	4+	33	29+	270	4	0	2.07	.75	.50	10	0	0		11	4	0
Sanish	57.0	- .5	99	5	30	29		2	4	2.54	1.20	.54	15	T	0		10	4	0
Stanley	54.5		96	4	26	29	337	2	3	3.16	1.79	1.66	9	0	0		8	4	1
Van Hook	57.9 M		98	4	27	29	260	4	2	1.98		.50	9	T	0		9	4	0
Watford City	57.1	- .6	98	4	27	29	280	3	3	3.04	1.73	1.10	9	0	0		9	4	1
Williston WB City	57.3	.7	97	4	32	30	274	2	1	2.62	1.53	1.28	9	0	0		10	2	1
DIVISION	57.0	.2								2.24	.9B			.6					
STATE	57.9	.8								2.42	.89			.2					

DAILY PRECIPITATION

Table 3

NORTH DAKOTA
SEPTEMBER 1950

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S								.01	.10	2.06	.05	*	.09		T	T		.93									.42			.39		4.05
Alexander RR Sta.								.84	.50	.06			.22	.49	.03	.48				T						T	.12			.47		3.21
Almont 7 SW								.05	.74	.72			.13	.17	.13	.42	T	.72		.18							T			.17		3.43
Alpha 1 S								T	T	.11		.50	.44	.20	*	.22				.07						T				.55		2.09
Amenia										1.45						.11		.73									.22			.16		2.67
Amidon										*	.10	T	.60	.27	.25	.25	T		.06										T	.31		1.84
Amidon R										.08	.02	.53	.03	.12	.42				.06										.02	.31		1.59
Antler R									1.62	.12			.50			.04	.10	.02								.03	.08			.05		2.56
Arvilla State Park										2.78	.07	.05			.11	T		2.07									.56			.15		5.79
Ashley									.56		.01				.61		.13			.19							.10		T	T		1.60
Ashley R //									.57					.13	.49	.02				.12							.08					1.41
Baldhill Dam										.57	.68	.06			.18	.10	.20	.80									.20					2.79
Balfour R									.89	.37						.10	.08									-	-	-	-	-		-
Balta									.30	.82			.04		.02	.04		.26									.05			.05		1.58
Bantry									.30	*	.35				T	T		1.09										.06				1.80
Beach								.10	.10	.20		.43	.39	.27	.50	.62										T	T			.66		3.27
Beach R								.14	.10	.11		.77	.07	.26	1.07														*	.67		3.18
Belcourt Indian Res.									.79	.22	.05		.27	.17	T	T		.08								.12				.04		1.74
Belcourt Indian Ree. R									.79	.18	.04		.37	.03			.09	.01								.01	.14			.04		1.70
Belfield								.10	.18	.08		T	.60	.35	.37	.13				T						T	.05	.03	T	.46		2.35
Berthold									.85	.17	.10		.25	.38	.10	.13		.10									.11					2.18
Beulah								.08	.57	.28			.22	.14	.14	.24														.21		1.88
Beulah R								.11	.80	.08			.20	.14	.29	.11													.13	.07		1.93
Blebee									.24	.75	.03		.11			.02		.19									.09			.05		1.48
Bismarck WB City								T	.20	.40			T	T	.12	.15		.49		T							T			.10		1.48
Bismarck WB Airport								.01	.55	.20	T		T	.07	.17	.04	.49			T						T	T			.17		1.70
Bismarck WB Airport R								.01	.55	.20				.07	.17	.04	.49													.17		1.70
Bottineau									.83	.08	.02		.09	.16				.10									.13			.07		1.48
Bowbells								.70	.84	.11			.20		.15	.04	.06	.32									T	.09		.10		2.41
Bowbells S E									.68	.81	.09			T	.21	.09	.01	.18										.07		.08		2.22
Bowman Court Bouse								.01		.05	.01		.60	.10	.10			.19	.71		.16						T		.02	.18		2.13
Bowman Court Bouee R //									.03	.05		.58		.12	.10		.15		.50	.15									.14	.07		1.88
Breien R										-	-	-	-	-	-	-	-	-	-	-	-	-	-						.01	.01		-
Butte									.55	.52				.03		.09		.23								.02				.10		1.54
Cando B									.71	.42			.03				.60	.05												.04		1.85
Carrington									.03	1.30	.30					.93		2.00									.15			.14		4.85
Carson R									.90	.17			.02	.05	.13		.43			.14										.47		2.31
Careon 2 SW									.22	.83	.06		.03	.05	.06	.06		.32		.23										.50		2.36
Cavalier Power Plant									.11	2.36	.81	.25	.07	.01				.24									.54	T		.40		4.79
Center									1.15	.65			.04	.40	.17	.23		T												.13		2.77
Colgate										.51	.87		.04				.05	.81									.34					2.42
Columbus									1.34	.08			.01		T	.09		.06								.02	.13			.21		1.94
Cooperstown										2.00					.10	T		1.50		T							.50			.06		4.16
Courtenay								T		1.21					.35	.08	.45										.22			.15		2.46
Crosby									.65	.63	.12			.01		.25	.02	.18								T		.15		.08		2.09
Crosby R									1.21	.19						.25	-	-	-	-	-						.15			.17		-
Dawson R									.44	.61				.02	.73	.05	.34									.02	.13			.23		2.57
Devile Lake WB City									.90	.90	.01	.02	T		.01	T	.21	.20								.04	.05			.28		2.62
Devils Lake WB City B									.90	.90	.01	.02			.01		.21	.20								.04	.05			.28		2.62
Dickinson CAA AP								.15	.06	.05	T	.01	.34	.21	.28	.01	.05		T							T	.02		.14	.12		1.44
Dickinson CAA AP R								.12	.05	.03			.33	.19	.27	.02	.05	.02									.02		.14	.15		1.39
Dickinson Exp. Sta.								T	.27	.11	.08	T	.42	.02	.20	.35	.02				.01						T	.01		.28		1.77
Donnybrook									1.68	.09	T		.15	.18	.01	.18		.30									.08			.18		2.86
Drake									.03		1.18			.05	.03	.15		.07									.03	.05		.12		1.71
Dunn Center								T	.21	.25	.05		.22		.33	.45	.03	.04									.06			.27		1.91
Dunseith Bt. Sanitarium										.76	.10				T	T	T	.09									.15			.08		1.18
Edgeley Exp. Farm										.28	.23					.57		.27			.05						.01			.06		1.47
Edgeley Exp. Farm B										.50					.49	.09		.25		.05							.02		.03	-		-
Edmore 1 W										.70				T	T			.63									.27			.41		2.01
Elbowoods									.30	.06	.24				.03		T													1.12		1.75
Elgin 5 S									.32	.52			.13	.02	.01			.40	.04	.12										.10		1.66
Ellendale					T					.32	T				.40	.29	.05	.57	.05	.07	.06						.01	T	.04	.22		2.08
Epping									1.38	.09	.03		.16	.26		.23											.12			.33		2.60
Esmond R									.98	.42			.06	.01	.04	.01	.01	.27								.07	.04			.13		2.04
Fairfield 8 N								.27	.32	.10			.67	.33	.25	.41											.17			.63		3.15
Fargo WB Airport										.21	.25	.04	.01		T	.01	.01	.59		T	T						.15	T	.01	.26		1.54
Fargo WB Airport R //										.21	.25	.04	.01			.01	.01	.59									.15		.01	.26		1.54
Feesenden										1.31					.40		.23										.13					2.07
Flasher										.83						.19		.21			.41											1.64
Flaxton									1.21	.08	T			.01		.04	.04	.26							T	.10				.16		1.90
Forman										.15			T		T			.62	T	.09	T								T	.10		.96
Fort Yatee									T	.13	T	T			.32	.03	.02		.13								.56			.02		1.01
Fort Yates R									.09	.05				.04	.31			.02		.11						.12	.21					.95
Foxholm Wildlife Re.									.77	.16	T	*	.09	.16	.02	.16		.55									.12		T	.16		2.19
Fryburg B								.08	.08	.07		.58	.02	.29	.47											.03	.02		*	.35		2.00
Fullerton										.30	T				.12	.31		.10	T	.21						.03		.07	.13		1.27
Gackle										.52					.82	.30		.84		T							.17	T		.02		2.77
Garrison								T	.60	.15			.06	.14	.25	.09	T										.07		.02	.21		1.59
Gladstone 22 N R								.23	.32				.24	.16	.35	.05							-	-	-	-	-	-	-	-		-
Glen Ullin R								.09	1.31	.04			.19	.19	.40	.10	.49	.01		.07										.02		2.91
Golden Valley 1 S								T	.62	.01			.19	.13	.03	.78													T	.23		1.99
Golva 1 SE R												.51			.04													-	-	-		-
Grafton State School									T	2.56	.67	.04	.06	.02				.56									.97			.55		5.43
Grand Forks CAA AP									.34	2.31	.11	.04	.02		.02	T	1.60	.16									.45			.12		5.17
Grand Forks CAA AP R //									.40	2.30	.08	.03	.02		.02		1.61	.17									.46			.14		5.23
Grand Forks Univ.									T	2.52	.21	.03	.02		.03	T	.02	2.04									.47			.22		5.56
Grano R //									1.63	.07	.05		.39	.10		.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Granville									.43	.22	.05		.03	.05	.02	.08		.07									.09			.08		1.12
Grassy Butte R								.30	.32	.17		.02	.42	.56	.75	.15				.03						.02	.24		.04	.50		3.52
Grassy Butte 1 N								.02		.64	T		1.01	.30	.45	.58	T								T		.18		.60	.01		3.79
Grenora									1.54																				.30			1.84
Haley R										.04		.20		.06	.07		.07		.15	.11									.04	.04		.78
Balliday								.13	.40			.18		.15	.04	.63		.05									.15			.42		2.15
Balliday R				-	-	-	-	-	-	.01			.15	.16	.36	.27	.05									.05	.13		.13	.27		-
Bankinson RR Sta.											.36		.09				.30	.36				.25						.03	T	.57		1.96
Hannaford R									.10	1.30		.03			.05		.49	.08									.20					2.25
Hannah									.37	.83	.18		.17	.01				.07									.09	.04		.08		1.84
Raneboro									.68	.24	.05		.09	.11	.03			.01									.17			.04		1.42
Harvey Water Works									.05	1.25	.03		.05	T	.04	.09		.10		.02							*	.14		.23		2.00
Haynes 6 NE R									.65	.03		.04	.04		.26	.02			.15	.21	.02								.06	.02		1.50
Hazelton RR Station R //									.35	.17	.02			.05	.52	.04	.43			.18						.01	.22			.13		2.12
Hettinger R									.31	.06			T	T	.30		.23		.07										.05			1.02
Billeboro										1.25	.16	T				.06	T	1.05		T							.18			.16		2.86
Burdsfield R								.03	.78	.44	.02			.05	.27	.06	.30			.05						.05				.37		2.42
Jamestown CAA AP									T	.84	.10		T		.09	.04	.47	.12		T						T	.13			T		1.79
Jamestown CAA AP R //										1.01	.03				.11	.05	.52	.08									.13			.05		1.98
Jamestown State Hosp.										.97	T				.06	.03	.04	.75									.15			T		2.00
Keene									1.11	.11	.01		.05	.55	.03	.35		.20								T	.17			.35		2.93
Kenmare									.67	1.04	.08			.20	.25	.10	.06	1.07									.02	.05		.08		3.62
Kenmare R									1.73	.10			.20	.25		.10	1.04	.02								.03	.05	.08		.20		3.80
Kensal Wildlife Re.									.02	2.58					.38	.13		.54									.47			.03		4.14
Killdeer 8 NW									.20	.35			.45	.08	.30	.90														.66		2.94
Kramer 5 SE R									.65	.03			.05			.12	.10									.02	.04			.08		1.09
La Moure								T		.38			T		.04	.10	T	.42		.18							.05		.04	.10		1.31
Langdon Exp. Farm									.28	1.88	.14	.02	.13			.01		.24									.16	.09		.27		3.22

See reference notes following Station Index.

Table 3—Continued

DAILY PRECIPITATION

NORTH DAKOTA
SEPTEMBER 1950

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lansford										1.53	.07	.10		.09	.14		.22		.40								.15				.14		2.84
Larimore											2.87				.05			1.77														4.69
Leeds										.35	.03		T	T	.03	T	T		1.03									.12			.15		1.71
Lefor 10 8									.01	.21	.23			.21	.15	.16					.24									.16		1.37
Linton											.17					.97	.20		.33		.10						.10					1.87
Lisbon		-	-	-	-	-	-	-	-			1.14		.10			.05		1.10			.12					.13					-
Mandan Exp. Station										.09	.68	.04	T	T		.02	.18		.49			.05								.10		1.65
Mandan Exp. Station	R								.08	.45	.17					.18	.02	.49			.06									.11		1.56
Mandan Fort Lincoln									T	.18	.71	.01		T	T	.14	.08		.57		.01						T			.04		1.74
Marmarth											T	.02	.48	.12	.04	.01	T			.01		.14				T			.45	.08		1.35
Marmartb M.D.U. Co.	R										.05		.53		.07	.08				.05									*	.40		1.18
Martin										.25	1.20					.10			.13							T				.13		1.81
Max											.71	*	.06			.20	.12	.01		.05							.05			.09		1.29
Mayville											1.38	.07		.05			T	.04	1.31		T						.33			.10		3.28
McClusky									.04	.23	1.37	.03		.16	.05	.24	.18				.07									.20		2.57
McGregor RR Station	R																.17	.17									.04			.12			.50
McRenry 5 N										.07	2.05	T				.10	.01	.01	1.23									.38		.23		4.09
McLeod 3 E														.11					1.40	T	.16							.05		.04		1.76
McVille											2.75	.02				.08			.49									.82		.10		4.28
Medina 1 W											.73					.43	.13		.40							.08						1.77
Medora TRNMP									.09	1.16	.06	.02	T	.59	.18	.29	.11	T			.01						T			.32		2.83
Melville	R									.57	.97					.54		.76	-	-	-					.02	.17			.32		-
Minot CAA AP										.40	.18	T		.02	.02	T	.05	.21	T							.02	.06			.07		1.03
Minot CAA AP	R //									.36	.10	.02			.05		.07	.24	.01							.03	.05			.07		1.00
Minot Exp. Farm										.43	.19	T		.01	.04	.01	.08	T	.02							T	.10			.10		.88
Moffit RR Station												1.02				.07	.62		.59		.21	.24					.14			.19		3.08
Mohall										2.33	.10	.10		.63	.07		.11		.23							.07	.10			.13		3.87
Montpelier											.42	.48				.04	.12		.64								.24	.01				1.85
Mott										.75	.02		.15	T	.08	.15		.58		.09	.28					T			.06	T		2.16
Munich 4 SW										.46	.88	.05	T	.09	T		.02		.22								.06			.08		1.87
Napoleon 1 SE											.38					1.07	.22		.15		.02						.05			T		1.89
Napoleon 1 S8	R										.35				.18	.92	.10	.13	.02		.03						.05					1.76
New England										T	.15			.34	.14	.17	.05			T		.31					T			.26		1.42
New Rockford									T		1.40					.38	.05		.15								.18			.38		2.54
New Rockford 8 NW										.08	1.32	.04				.19	.08		.24								.18			.59		2.72
New Salem 1 8										.60	.44	T			.10	.14	.17	.65			.46						T			.10		2.86
Noonan										1.35	.10						.10									.10	.15			.20		2.00
Northgate	R									1.65	-	-	-	-	-	-	-	-								.03	.20		.16			-
Oakss												.63					.15		.59			.07					.03			.13		1.80
Oakes	R										.63					.08	.02		.58		.05						.05		.04	.14		1.59
Park River										.05	2.88	.23	T	.04	T	T	T		.78								.47	T		.29		4.74
Parshall										.45	.05			.17	.35	.15	.17		.08								.07			.22		1.71
Pembina CAA AP										.79	3.31	.63	.06	.01		T		T	.01								.93			.64		6.38
Pembina CAA AP	R //									.58	2.39	.54	.04	.01		.02											.88			.50		4.96
Petershurg											2.85	.08	.02			.10	.02		.18								.48	.01	.45			4.20
Pettibone										.25	.85					.35	.02			1.21							.11			.17		2.88
Pettibone	R								.03	.57	.50					.34		1.15									.14			.15		2.88
Portal										.56	.93	.10			T	T	.11	.03	.16								.02	.08		.10		2.09
Powers Lake 1 N										1.59	.10			T	.17	T	.07		.10								.13			.20		2.38
Pretty Rock										.10	.75	.02		.05	.06	.04			.80	.04	.21								T	.25		2.32
Rauh	R //								.01	.37				.08	.16	.11	.11									.08	.14		.01	.31		1.38
Reeder										T	.05		T	.25	.05	.23		.09	.15	*	.17									.07		1.06
Reeder 14 N											.17	.04		.33	T	.13	.43		.13	.01	.15	.11								.14		1.84
Richardton Abbey									.06	.28	.50	T		.18	.28	.11	.19		.01	T	.17					T	.03			.26		2.07
Richardton Abbey	R								.07	.66	.07			.20	.34	.18	.03				.17						.04		.17	.10		2.03
Riverdale									T	.80	.59	.07	T	.09	.16	.12	.32	.01	.04							T	.05			.20		2.45
Riverdale	R									1.08	.24	.07		.09	.16	.28	.15	.03	.04								.05		.04	.15		2.38
Rolette										.53	.12			.23			.04	.30									.04		.02			1.28
Rolla										.77	.30	.06		.14	.26	.03			.04								.11	T		.06		1.77
Rugby										.07	1.01	.02			.07	.04	.02		.65								.05	.01		T		1.84
Ryder										*	*	.40		.05	.10	*	.20	.25	.05											.09		1.14
Ryder	8								.09	.30	.08				.10	.10	.10	.13	.02											.08		1.01
Sanish										.18	.43				.13	.54	.51	.04	.41							.04		.03		.23		2.54
Sarles	R //									.58	.42	.08	.08	.17	.02											.04	.08			.04		1.51
Selfridge											.52	T		.02					.18	T	.22	.01								.18		1.13
Sharon											2.25	.05		.02		.02	.12		1.05								.42			.08		4.01
Sherwood										1.24	.12	.09		.69	.06	.02	.01		.16							.03	.15			.09		2.66
Sheyenne	R									1.15	1.01					.24		.12	.07							.11	.08			.48		3.27
Shields										.26	*	.45			T	.04	*	.14	.12	T	.05							.02		.04		1.12
Stanley										1.66	.09	.03			.33	.22			.37								.17			.29		3.16
Stanley	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				.18			.25		-
Steele										.12	1.10				T	.63	.33	T	.40		.26						.18			.13		3.16
Tagus										.55	.10	T		.18	.15	.03	.04	.02	.20								.10			.20		1.57
Tioga										1.34	.24				.21		.21									T	.05			.22		2.27
Tolley 4 NE										1.90	.05	.02		.50	.15		.11		.32							.01						3.06
Towner										.45	.24		.04	.02			.04													.04		.83
Trottsrs									.17	1.10	.09		.89	T	T	*	.65				.10					T	.02			.37		3.39
Trotters Genl Store	R								.28	.44			.95	.25	.35	.62	.02				.02					.04	.07		.05	.38		3.48
Turtle Lake									.01	.68	.71	T			.07	.20	.13		T			T					.05			.11		1.98
Tuttle 8 SW										.24	.80				.05	*	.60			1.07	.17					*	.12					3.05
Underwood 12 W									.03	.13	.83	T		.13	.14	.08	.24	T	.07	T	.02				T		T		T	.18		1.85
Upham Wildlife Rs.										.58	.16	.07		.17			.07	T	.15	T							.08			.06		1.34
Valley City											.96		.04			.09	.09	T	.84								.10			.03		2.15
Van Hook										.50	.01			.21	.43	.08	.31		.04							T	.10			.30		1.88
Velva										.34	.48	T		.11	.05	.02	.13		.36								.08			.12		1.70
Vsrona											T	.60					.04		.60			.22					.04			.07		1.57
Wahpeton Power Plant	R										.10	.34	.02	.02			.05		1.75		.07	.02					.12		.10	.24		2.83
Wahpeton State School												.41		.05		T	.07		1.67		.10	.03					.07		.11	.26		2.77
Walhalla										.42	1.83	.45	.01	.16	T			.02									.42	.08		-		-
Washburn									T	1.03	.50				.24	.13	.35		T	.07	.03						T			.13		2.48
Washburn Water Works	R								.08	1.38	.15			.03	.20	.35	.08	.07												.16		2.50
Watauga S. Dak. 8 N										.30	.37	T		.05	T	.31				.12	.12		T					.05		.02		1.34
Watford City	R								T	1.10	.10			.18	.53	.12	.35									.03	.18			.45		3.04
Watford City 11 8									.03	.91				.18	.55	.14	.31									.04	.15			.35		2.86
Wasthope										2.20	.10	.08		.44	.05		.12		.24								.14			.08		3.46
Wildrose										1.22	.10			T	T	T	.22		.04							.04	.13			.22		1.87
Williston WB City									.08	1.28	.13	T		.16	.21	.17	.17	T								.02	.10			.30		2.62
Williston WB City	R								.08	1.28	.13			.16	.21	.17	.17									.02	.10			.30		2.62
Willow City										.64	.07	.01		T	.02		.02		.20								.05			.05		1.06
Wilton RR Station										.07	1.22	.05				.16	.33		.06								T	.02		.33		2.24
Wishek												.04				.62	.45	.24				.06				.15						1.56
Zahl										1.15	.04				.02		.35		.29								.13			.30		2.28

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA
5EPTEMBER 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
HETTINGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOTT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—4th—																									
HALLIDAY																-	-	-	-	-	-	-	-	-	-
—8th—																									
BEACH														.03	.04	.02	.01		.01	.03					.14
BEULAH						.01										.04	.02	.01				.03			.11
BISMARCK WB AIRPORT																						.01			.01
DICKINSON CAA																	.02	.02	.03	.04	.01				.12
FRYBURG															.02	.02	.02	.01	.02						.09
GLADSTONE 22N												.01	.02	.03	.05	.02				.01	.08		.01		.23
GLEN ULLIN																			.04	.02	.01	.01	.01		.09
GRASSY BUTTE				.03						.01	.02		.09	.06	.02	.02	.01				.03	.01			.30
HURDSFIELD																		.02	.01						.03
MANDAN EXP STATION																				.03	.01	.04			.08
NORTHGATE													*	*	*	*	*	*	*	*	*	*	*	*	*
PETTIBONE																					.01	.02			.03
RAUB	//																						.01		.01
RICHARDTON ABBEY																			.05	.02					.07
RYDER																							.08	.01	.09
TROTTERS GEN STORE			.03	.05									.10	.02	.03			.02	.01		.02				.28
WASHBURN WATER WKS																.03	.01	.01					.03		.08
WATFORD CITY 11E																								.03	.03
WILLISTON WB CITY																							.01	.07	.08
—9th—																									
ANTLER				.05	.09	.04	.09	.12	.14	.14	.21	.21	.14	.22	.04	.09	.04								1.62
ASHLEY	//	.02	.01	.06	.15	.02	.01	.02		.02	.08	.07	.08	.03											.57
BALFOUR													.02	.03	.01		.01	.09	.13	.25	.10	.05	.10	.10	.89
BEACH															.03	.02					.02	.02	.01		.10
BELCOURT INDIAN RES					.07	.03	.02	.04	.01			.01	.03	.06	.05	.07	.18	.20	.01			.01			.79
BEULAH		.01	.01											.01	.10	.13	.16	.03	.10	.01	.03	.08	.07	.06	.80
BISMARCK WB AIRPORT														.02	.04	.05	.05	.12	.03	.01	.05	.06	.04	.08	.55
BOWMAN COURT HOUSE	//																					.01	.01	.01	.03
CANDO														.02	.02	.01	.04	.07	.15	.15	.10	.03	.05	.07	.71
CARSON											.03	.02	.01	.04	.05	.06	.01		.19	.15	.09	.04	.12	.09	.90
CROSBY		.02	.08	.09	.09	.08	.10	.10	.09	.06	.14	.08	.14	.10	.04										1.21
DAWSON																		.08	.04		.01	.04	.14	.13	.44
DEVILS LAKE WB CITY			.02	.02											.01	.02		.01	.07	.13	.15	.17	.15	.15	.90
DICKINSON CAA																	.01		.01			.01		.02	.05
ESMOND													.01	.01	.01	.01	.05	.08	.21	.18	.12	.13	.09	.08	.98
FORT YATES																						.02	.04	.03	.09
FRYBURG		.01	.01									.01			.01	.01	.02	.01							.08
GLADSTONE 22N								.03						.12	.08		.06			.02				.01	.32
GLEN ULLIN									.03	.02	.01					.07	.22	.26	.25	.14	.18	.10	.03		1.31
GRAND FORKS CAA	//																					.02	.08	.30	.40
GRANO	//		.01	.06	.06	.06	.08	.09	16	.10	.07	.10	.14	.18	.13	.18	.16	.05							1.83
GRASSY BUTTE			.01	.02		.04			.04			.04	.61		.07	.06	.01	.01	.01						.32
HALLIDAY		-	-	-	-	-	-	-	-					.05	.13	.08	.04	.04	.01	.01		.01			-
HANNAFORD																							.04	.06	.10
HAYNES 6 NE											.02			.01			.06	.12	.12	.11	.14	.02	.02	.03	.65
HAZELTON R R STATION	//																					.10	.07	.18	.35
HURDSFIELD														.01	.02		.03		.08	.08	.16	.17	.12	.11	.78
KENMARE			.07	.08	.07	.10	.20	.14	.11	.20	.19	.07	.14	.11	.17	.07	.01								1.73
KRAMER 5 SE				.05	.05			.02			.02	.01		.04	.03	.15	.18	.03	.01	.04	.02				.65
MANDAN EXP STATION														.03	.04	.03		.02	.02	.02	.08	.10	.03	.08	.45
MELVILLE																		.05	.09	.04	.03	.07	.06	.23	.57
MINOT CAA	//													.05		.11	.07	.03	.04	.03	.01		.01	.01	.38
NORTHGATE		*	*	*	*	*	*	*	*	*	*	*	1.65												1.65
PEMBINA CAA	//									.01							.05	.02	.03	.10	.12	.05	.09	.11	.58
PETTIBONE																.01	.06	.12	.05	.01	.02		.10	.20	.57
RAUB	//	.01	.01			.01			.01		.05			.01	.02	.10	.06	.03	.03	.02	.01				.37
RICHARDTON ABBEY							.02	.02		.01					.01	.14	.03	.02	.01	.04	.15	.13	.05	.03	.66
RIVERDALE										.01	.02	.01	.01			.13	.08	.32	.16	.08	.13	.02	.05	.06	1.08
ROLETTE			.01		.05	.01	.01	.02					.01	.03	.01	.02	.08	.20	.04	.01	.01	.02			.53
RYDER		.03	.01		.14	.03	.03	.03	.02			.01													.30
SARLES 3 E	//						.02	.02	.03						.01	.04	.08	.15	.17	.05				.01	.58
SHEYENNE						.04			.01	.01						.08		.03	.04	.20	.22		.35	.17	1.15
TROTTERS GEN STORE			.02	.08							.04	.02	.09	.07	.08			.04							.44
WASHBURN WATER WKS		.01					.02	.01	.01	.02	.08	.03				.04	.06	.10	.24	.18	.13	.20	.15	.10	1.38
WATFORD CITY 11E		.07				.13	.02			.10	.01		.12	.13	.10	.17	.06								.91
WILLISTON WB CITY		.12	.14	.09	.08	.16	.10	.13	.10	.09	.04	.05	.01	.10	.04	.03									1.28
—10th—																									
AMIDON										.01	.01	.02						.02				.01		.01	.08
ANTLER				*	*	*	*	*	*	.12															.12
BALFOUR		.08	.02	.04	.02	.06	.01	.01	.01		.01		.01	.02	.01	.03	.04								.37
BEACH											.02	.01				.04		.03	.01						.11
BELCOURT INDIAN RES		.01	.04	.01	.01	.01		.02			.01	.02						.03	.02						.18
BEULAH		.04	.01									.01	.02												.08
BISMARCK WB AIRPORT		.07	.03	.07	.02	.01																			.20
BOWMAN COURT HOUSE	//												.01	.01		.01								.02	.05
BREIEN																-	-	-	-	-	-	-	-	-	-
CANDO		.06	.07	.07	.03	.04	.06	.04	.03	.02															.42
CARSON		.03	.06						.02	.01									.05						.17
CROSBY												*	*	*	*	*	*	*	*	*	*	*	*	.19	.19
DAWSON		.21	.04	.09	.12	.06	.01	.01	.02	.02	.02	.01													.61
DEVILS LAKE WB CITY		.15	.11	.09	.06	.04	.12	.07	.02	.03	.02	.03	.03	.03	.05	.02	.01	.01						.01	.90
DICKINSON CAA											.01	.01	.01												.03
EDGELEY EXP FARM					.04	.11	.07	.03			.10	.05	.04	.01	.02	.03									.50
ESMOND		.05	.06	.08	.09	.04	.04	.01	.03						.01			.01							.42
FARGO WB AIRPORT	//															.02	.16	.03							.21
FORT YATES					.01	.02	.01	.01																	.05
FRYBURG		.01						.01					.02		.01		.02								.07
GLEN ULLIN		.02	.01	.01																					.04
GRAND FORKS CAA	//	.43	.26	.17	.01	.02	.03	.05	.12	.09	.07	.03	.02	.09	.17	.12	.10	.10	.16	.07	.05	.03	.04	.01	.06	2.30
GRANO	//		.01		.01				.01		.01												.01	.02	.07
GRASSY BUTTE		.01			.01	.03	.02	.01		.01	.01	.04	.02												.17
HALEY												.03	.01												.04
HALLIDAY										.01															.01
HANNAFORD		.05	.04	.01	.02	.08	.08	.15	.16	.09	.13	.04	.04	.16	.15	.05	.03	.01	.01						1.30
HAYNES 6 NE		.01	.02																						.03
HAZELTON R R STATION	//	.05	.01	.02	.02	.04	.01	.01	.01																.17
HURDSFIELD		.14	.11	.07	.05	.02			.01	.02				.01	.01										.44
JAMESTOWN CAA	//		.03	.02	.04	.07	.14	.15	.19	.05	.01	.01	.07	.13	.06	.02	.01			.01					1.01
KENMARE											.01	.01	.01	.01	.01			.01	.03	.01					.10
KRAMER 5 SE															.01			.01	.01						.03
MANDAN EXP STATION		.06	.05	.03	.02	.01																			.17

See reference notes following Station Index.

Table 4—Continued

HOURLY PRECIPITATION

NORTH DAKOTA
SEPTEMBER 1950

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MARMARTH M D U CO																			.05							.05
MELVILLE		.18	.16	.08	.05	.08	.05	.12	.03	.02	.03	.04	.03	.08	.03	.03										.97
MINOT CAA	//													.01	.02	.03	.03	.01								.10
NAPOLEON 1 SE		.02	.04	.10	.06	.03	.01	.04			.01	.02			.01	.01										.35
NORTHGATE														-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES								.04	.04	.08	.05	.11	.01	.08	.08	.08	.03	.01		.02						.83
PEMBINA CAA	//	.11	.12	.14	.10	.11	.11	.12	.18	.13	.06	.06	.09	.04	.05	.07	.10	.10	.08	.04	.08	.09	.08	.20	.13	2.39
PETTIBONE		.16	.08	.05	.03	.03	.02	.02	.01	.05	.01	.02		.01	.01											.50
RICHARDTON ABBEY		.01	.01						.01	.01	.01	.01		.01												.07
RIVERDALE		.04	.11	.02													.03	.01	.01						.02	.24
ROLETTE		.02	.05	.01	.03	.01																				.12
RYDER														.04	.01	.01	.01	.01								.08
SARLES 3 E	//	.01	.04	.05	.07	.03	.07	.02	.01	.04	.01						.01	.03	.01						.02	.42
SHEYENNE		.14	.15	.10	.07	.08	.10	.07	.05	.05	.05	.05	.04	.02	.01		.02	.01								1.01
WAHPETON POWER PLAN																								.04	.08	.10
WASHBURN WATER WKS		.07	.04	.02	.01	.01																				.15
WILLISTON WB CITY			.01	.01														.07		.03			.01			.13
												—11th—														
AMIDON										.02																.02
BELCOURT INDIAN RES		.01	.02	.01																						.04
DEVILS LAKE WB CITY			.01																							.01
FARGO WB AIRPORT	//	.02	.01	.04	.08	.08	.01	.01																		.25
GRAND FORKS CAA	//	.02	.02	.01	.01	.01	.01																			.08
GRANO	//	.01		.01			.01		.01		.01															.05
HAZELTON R R STATION	//							.01	.01																	.02
HURDSFIELD		.01	.01																							.02
JAMESTOWN CAA	//	.01	.02																							.03
MINOT CAA	//					.01	.01																			.02
PEMBINA CAA	//	.09	.11	.04		.01	.05	.08	.06	.01	.02							.01	.01		.05					.54
RIVERDALE		.03	.02	.02																						.07
SARLES 3 E	//	.01	.02	.03	.01	.01																				.08
WAHPETON POWER PLANT		.06	.04	.12	.08	.02	.02																			.34
												—12th—														
AMIDON																			.07	.09	.02	.10	.15	.10		.53
BEACH															.04	.15	.23		.01	.07	.19	.03	.04	.01		.77
BOWMAN COURT BOUSE	//																.13	.10	.01	.01	.17	.10	.08			.58
DEVILS LAKE WB CITY																							.02			.02
FARGO WB AIRPORT	//																							.02	.02	.04
FRYBURG																					.05	.04	.08	.18	.23	.58
GOLVA 1 S E																				.14	.25	.09	.03			.51
GRAND FORKS CAA	//																		.01					.01	.01	.03
GRASSY BUTTE																									.02	.02
HALEY																			.06			.03	.05	.05	.01	.20
HANNAFORD																					.02	.01				.03
HAYNES 6 NE																									.04	.04
MARMARTH M D U CO															.01	.18	.15		.07	.08	.06					.53
PEMBINA CAA	//													.02				.02								.04
SARLES 3 E	//																						.02	.04	.02	.08
TROTTERS GEN STORE																	.08	.04	.21	.09	.07	.12	.18	.13	.07	.95
WAHPETON POWER PLANT																									.02	.02
												—13th—														
AMIDON								.01	.02																	.03
ANTLER																	.11	.01	.21	.18	.01					.50
BEACH		.01	.01	.01					.01				.02												.01	.07
BELCOURT INDIAN RES																			.07	.20	.10					.37
BEULAB					.05	.10	.05																			.20
CANDO									.01			.01	.01													.03
CARSON					.02																					.02
DICKINSON CAA		.10	.14	.09																						.33
ESMOND																	.08									.08
FARGO WB AIRPORT	//	.01																								.01
FRYBURG												.02														.02
GLADSTONE 22N			.07	.13	.04																					.24
GLEN ULLIN			.01	.05	.10	.03																				.19
GRAND FORKS CAA	//	.01	.01																							.02
GRANO	//																.10	.28	.03							.39
GRASSY BUTTE		.01	.21	.20																						.42
HALLIDAY					.07	.05	.02	.01																		.15
HAYNES 6 NE		.02	.02																							.04
KENMARE																			.07	.02		.11				.20
KRAMER 5 SE																		.04	.01							.05
PEMBINA CAA	//								.01																	.01
RAUB	//								.02	.03	.01	.01		.01												.08
RICHARDTON ABBEY		.03	.12	.05																						.20
RIVERDALE								.02	.02	.02	.01	.02														.09
ROLETTE							.01			.04		.01							.04	.13						.23
SARLES 3 E	//	.01	.01							.04	.02	.01			.01			.01				.04	.02			.17
TROTTERS GEN STORE		.07	.16	.02																						.25
WAHPETON POWER PLANT		.02																								.02
WASHBURN WATER WKS											.02	.01														.03
WATFORD CITY 11E								.02	.07	.02	.01	.01	.02	.02	.01											.18
WILLISTON WB CITY											.03						.11	.02								.16
												—14th—														
AMIDON												.02	.04	.03	.03											.12
ASHLEY	//																								.13	.13
BEACH		.01	.01		.01	.03						.02	.08	.07	.01			.01	.01							.28
BELCOURT INDIAN RES			.01			.01						.01														.03
BEULAB															.01	.05	.04	.02	.01						.01	.14
BISMARCK WB AIRPORT																			.02	.05						.07
BOWMAN COURT BOUSE	//									.02	.02	.04	.02	.01		.01										.12
CARSON												.01	.01			.01	.01	.01								.05
DAWSON																						.02				.02
DICKINSON CAA															.05	.06	.05	.01					.01		.01	.19
ESMOND																									.01	.01
FORT YATES																						.02		.01	.01	.04
FRYBURG							.03	.01			.02	.02	.07	.09	.03	.01	.01									.29
GLADSTONE 22N								.01	.01					.02	.09	.03										.18
GLEN ULLIN																.04	.06	.05	.02	.01		.01				.19
GRANO	//															.01	.01	.03	.04	.01						.10
GRASSY BUTTE					.01	.03	.05		.01	.02	.03	.08	.14	.12	.01	.06										.58
HALEY												.03	.02	.01												.08
HALLIDAY									.01	.01		.01			.04	.03	.02	.01				.01		.01	.01	.18
HAZELTON R R STATION	//																				.03	.02				.05
HURDSFIELD																				.01	.02			.01	.01	.05
KENMARE																.04	.07	.08	.04	.04						.25
MARMARTH M D U CO											.05	.02														.07
MINOT CAA	//															.04	.01									.05
NAPOLEON 1 SE																						.03	.07	.07	.01	.18

See reference notes following Station Index.

Table 4—Continued

HOURLY PRECIPITATION

NORTH DAKOTA
SEPTEMBER 1950

Station		A.M. Hour ending												P.M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
RAUB	//													.04		.03	.05	.02	.01		.01					.16
RICHARDTON ABBEY														.05	.07	.07	.06	.03	.03						.03	.34
RIVERDALE																	.03	.03	.06	.02	.02					.16
RYDER												.02	.02	.06												.10
SARLES 3 E	//																					.01	.01			.02
TROTTERS GEN STORE					.02				.03	.02	.05	.08	.09	.05	.01											.35
WASHBURN WATER WKS																	.05	.10	.04	.01						.20
WATFORD CITY 11E													.02	.03	.10	.17	.13	.10								.55
WILLISTON WB CITY															.04	.06	.07	.03	.01							.21
														—15th—												
AMIDON												.01	.10	.06	.02		.02	.12	.02		.06	.01				.42
ASHLEY	//	.07		.07	.12	.01				.05				.06	.01	.01			.02				.01	.04	.02	.49
BEACH														.01	.03	.07	.05	.05	.29	.34	.18	.05				1.07
BEULAH		.01	.02													.04	.01	.02		.01		.04	.01	.03	.10	.29
BISMARCK WB AIRPORT														.02			.02	.01	.05	.02		.02	.03			.17
BOWMAN COURT HOUSE	//												.01	.01		.06	.01						.01			.10
CARSON																	.01	.03	.01	.03		.02	.02		.01	.13
DAWSON												.06		.02	.11	.06	.27	.10	.01	.03	.02			.02	.03	.73
DEVILS LAKE WB CITY																		.01								.01
DICKINSON CAA		.01													.09	.06	.03	.02	.01					.04	.01	.27
EDGELEY EXP FARM															.11	.05	.03	.02		.02	.01	.12	.08	.02	.03	.49
ESMOND																					.04					.04
FORT YATES .				.01										.01	.01	.04	.10	.08	.01			.02	.01	.01	.01	.31
FRYBURG													.01	.03	.04	.04	.09	.04	.04	.05	.06	.05			.02	.47
GLADSTONE 22N														.01	.01	.03	.01	.04			.01	.08	.04	.04	.08	.35
GLEN ULLIN																				.02	.05	.03	.22	.08		.40
GOLVA 1 S E																							.02	.01	.01	.04
GRAND FORKS CAA	//					.01	.01																			.02
GRASSY BUTTE													.01	.04	.04	.08	.08	.05				.05	.06	.23	.11	.75
HALEY															.03	.04										.07
HALLIDAY		.01													.02		.01		.01	.03		.03	.05	.11	.09	.36
HANNAFORD											.01	.02	.01	.01												.05
HAYNES 6 NE									.02	.04	.03		.01	.04	.01	.07	.03		.01							.26
HAZELTON R R STATION	/		.01								.04	.01		.01	.08	.13	.07	.03	.03	.04	.07					.52
HURDSFIELD																.06	.04	.05	.07	.03			.01		.01	.27
JAMESTOWN CAA	//								.01	.01	.03		.01	.04						.01						.11
MANDAN EXP STATION															.07	.01	.02	.02		.02		.01	.02	.01		.18
MARMARTH M D U CO														.04	.01						.02		.01			.08
MELVILLE														.05	.12	.08	.09	.07	.08	.04	.01					.54
NAPOLEON 1 SE		.01	.01	.08	.01	.01					.03	.01	.01	.14	.02	.32	.10	.07		.03	.01		.01	.01	.04	.92
OAKES																		.02	.02	.02	.01			.01		.08
PEMBINA CAA	//						.01	.01																		.02
PETTIBONE													.03	.03		.01	.08	.13	.03		.03					.34
RAUB	//															.01	.02	.01		.01	.01			.03	.02	.11
RICHARDTON ABBEY															.01			.02		.03	.02	.02	.03	.02	.03	.18
RIVERDALE																		.05	.02	.03	.04	.02	.02	.05	.05	.28
RYDER																.03	.04	.01	.02							.10
SHEYENNE										.01	03	.05	.01	.01	.03	.08	.02									.24
TROTTERS GEN STORE									.01	.01	.01	.01	.02	.02	.08	.03	.05	.07	.08	.09	.08		.02	.03	.01	.62
WASHBURN WATER WKS																.01	.03	.01	.04	.04	.01	.01	.03	.09	.08	.35
WATFORD CITY 11E																			.03	.04		.03	.01	.02	.01	.14
WILLISTON WB CITY																.01	.03					.03	.04	.05	.01	.17
														—16th—												
ANTLER													.01	.02	.01											.04
ASHLEY	//	.01	.01																							.02
BALFOUR					.01	.02	.02	.03	.02																	.10
BEULAH		.03	.01	.05	.02																					.11
BISMARCK WB AIRPORT			.04																							.04
CROSBY		*	*	*	*	*	*	*	*	*	*	*	.25													.25
DAWSON		.02	.02	.01																						.05
DICKINSON CAA		.01	.01																							.02
EDGELEY E P FARM		.02	.08	.01																						.09
ESMOND										.01																.01
FARGO WB AIRPORT	//				.01																					.01
GLADSTONE 22N		.05																								.05
GLEN ULLIN		.05	.04	.01																						.10
GRANO	//	.01	.02	.01			.01		.03	.05		.02														.15
GRASSY BUTTE		.09	.03	.01		.01	.01																			.15
HALLIDAY		.15	.08	.02					.02																	.27
HAYNES 8 NE		.01	.01																							.02
HAZELTON R R STATION	//	.01	.02	.01																						.04
HURDSFIELD			.01				.04	.01																		.08
JAMESTOWN CAA	//											.01		.04												.05
KENMARE								.03	.07																	.10
KRAMER 5 SE									.07	.04	.01															.12
MANDAN EXP STATION			.02																							.02
MC GREGOR RR STATION					.04	.04	.02	.02	.03	.02																.17
MINOT CAA	//						.02	.02	.03																	.07
NAPOLEON 1 SE		.06	.03	.01																						.10
OAKES		.01	.01																							.02
RAUB	//	.03	.04	.02	.01		.01																			.11
RICHARDTON ABBEY		.02	.01																							.03
RIVERDALE		.05	.05				.05																			.15
ROLETTE																									.04	.04
RYDER																				.05				.01	.04	.10
TROTTERS GEN STORE			.01	.01																						.02
WAHPETON POWER PLANT			.03	.02																						.05
WASHBURN WATER WKS		.03	.01		.02	.01				.01																.08
WATFORD CITY 11E		.13	.11	.06	.01																					.31
WILLISTON WB CITY		.02	.06	.04	.05																					.17
														—17th—												
ANTLER																									.10	.10
BALFOUR																						.01	.07			.08
BELCOURT INDIAN RES																									.09	.09
BISMARCK WB AIRPORT																							.49			.49
BOWMAN COURT HOUSE	//																			.15						.15
CANDO																							.02	.26	.32	.60
CARSON																						.35	.08	.01	.01	.43
CROSBY										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON																					.01	.01	.01	.28	.03	.34
DEVILS LAKE WB CITY																						.07	.14			.21
DICKINSON CAA																					.05					.05
ESMOND																									.01	.01
FARGO WB AIRPORT	//																			.01						.01
GLEN ULLIN																				.04	.09	.35			.01	.49
GRAND FORKS CAA	//								.02	01													.07	.78	.73	1.61
GRANO	//	.01	.01							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HALEY																						.05		.02		.07
HALLIDAY																				.01	.01	.03				.05
HANNAFORD							.01	.01													.01	.01		.02	.43	.49

See reference notes following Station Index.

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
HAZELTON R R STATION	//																							.01	.42	.43
HURDSFIELD																						.21	.08		.01	.30
JAMESTOWN CAA	//																		.01	.01					.50	.52
KENMARE																							.02	.95	.07	1.04
KRAMER 5 SE																							.02	.07	.01	.10
MANDAN EXP STATION																					.03	.48				.49
MC GREGOR RR STATION																						.02	.15			.17
MELVILLE																						.07	.11	.55	.03	.78
MINOT CAA	//																						.19	.01	.04	.24
NAPOLEON 1 SE																									.13	.13
NORTHGATE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.01		.17	.30		-
PETTIBONE											.01	.01										.02	.04	1.08	.01	1.15
RIVERDALE										.02	.01															.03
ROLETTE																								.03	.27	.30
RYDER			.02	.02	.02	.02	.02																.02		.01	.13
SHEYENNE																						.11	.01			.12
WASHBURN WATER WKS																								.07		.07
													–18th–													
ANTLER		.02																								.02
BELCOURT INDIAN RES			.01																							.01
CANDO		.02	.03																							.05
DEVILS LAKE WB CITY		.13	.01	.06																						.20
DICKINSON CAA		.02																								.02
EDGELEY EXP FARM		.21	.04	.02	.01																					.28
ESMOND		.23	.03	.01																						.27
FARGO WB AIRPORT	//		.50	.09																						.59
FORT YATES		.02																								.02
GLEN ULLIN			.01																							.01
GRAND FORKS CAA	//	.17																								.17
HANNAFORD		.08	.02																							.08
JAMESTOWN CAA	//	.08																								.08
KENMARE		.01		.01																						.02
MELVILLE											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINOT CAA	//			.01																						.01
NAPOLEON 1 SE											.02															.02
OAKES				.55	.03																					.58
RIVERDALE																								.04		.04
RYDER		.01	.01																							.02
SHEYENNE			.05	.02																						.07
WAHPETON POWER PLANT				1.20	.52	.03																				1.75
													–19th–													
AMIDON								.03		.01	.02															.08
BOWMAN COURT HOUSE	//							.05	.28	.16	.01															.50
HALEY								.12	.03																	.15
HAYNES 6 NE																							.15			.15
MARMARTH M D U CO							.03	.01	.01																	.05
													–20th–													
ASHLEY	//										.02	.05			.02	.03										.12
BOWMAN COURT HOUSE	//																			.15						.15
CARSON										.04	.01							.03	.08							.14
EDGELEY EXP FARM																.04	.01									.05
FORT YATES																.01	.05	.04	.01							.11
GLEN ULLIN																	.06	.01								.07
GRASSY BUTTE																				.03						.03
HALEY											.07	.01							.01	.02						.11
HAYNES 6 NE									.02		.04	.02		.01		.04	.02	.01	.02	.03						.21
HAZELTON R R STATION	//		.12		.04	.01	.01																			.18
HURDSFIELD										.03	.02															.05
MANDAN EXP STATION																	.05	.01								.08
MELVILLE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-
NAPOLEON 1 SE																			.01	.02						.03
OAKES														.01	.02		.01	.01								.05
RICHARDSON ABBEY																	.05	.12								.17
TROTTERS GEN STORE			.01	.01																						.02
WAHPETON POWER PLANT														.01	.02			.02	.01	.01						.07
													–21st–													
CROSBY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-
HAYNES 6 NE											.01	.01														.02
WAHPETON POWER PLANT								.01			.01															.02
													–22d–													
STANLEY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-
													–23d–													
BREIEN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-
													–24th–													
GLADSTONE 22N																				-	-	-	-	-	-	-
													–26th–													
ANTLER																					.02	.01				.03
BALFOUR		.01	.01																		-	-	-	-	-	-
BELCOURT INDIAN RES																								.01		.01
DAWSON																						.02				.02
DEVILS LAKE WB CITY																								.02	.02	.04
ESMOND																							.04	.03		.07
FORT YATES																									.12	.12
FRYBURG																									.03	.03
GRASSY BUTTE																									.02	.02
HALLIDAY																			.05							.05
HAZELTON R R STATION	//																								.01	.01
HURDSFIELD									.02	.03																.05
KENMARE																				.03						.03
KRAMER 5 SE																							.02			.02
MC GREGOR RR STATION				.01	.01	.01	.01																			.04
MELVILLE																							.02			.02
MINOT CAA	//				.01		.01	.01																		.03
NORTHGATE																				.02	.01					.03
RAUB	//																				.08					.08
SARLES 3 E	//																								.04	.04
SHEYENNE																							.02	.06	.03	.11
TROTTERS GEN STORE									.01	.01	.01	.01														.04
WATFORD CITY 11E																		.02	.01	.01						.04
WILLISTON WB CITY																	.02									.02

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

NORTH DAKOTA
SEPTEMBER 1950

Station		A. M. Hour ending												P. M. Hour ending										Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—27th—																										
ANTLER						.01	.01	.01								.05										.08
ASHLEY	//			.07	.01																					.08
BELCOURT INDIAN RES										.01	.05	.01						.04	.03							.14
CROSBY												.04	.10	.01												.15
DAWSON			.03	.10																						.13
DEVILS LAKE WB CITY					.01	.01	.03																			.05
DICKINSON CAA			.02																							.02
EDGELEY EXP FARM					.02																					.02
ESMOND									.01	.02	.01															.04
FARGO WB AIRPORT	//			.03	.02		.03	.07																		.15
FORT YATES		.19	.02																							.21
FRYBURG		.01	.01																							.02
GRAND FORKS CAA	//		.05				.27	.08	.04	.01										.01						.46
GRASSY BUTTE		.08	.02	.01						.03	.04	.04			.02											.24
HALLIDAY			.07	.03							.01	.01	.01													.13
HANNAFORD					.14	.06																				.20
HAZELTON R R STATION	//	.04	.15	.02					.01																	.22
JAMESTOWN CAA	//			.08	.02	.01					.01	.01														.13
KENMARE														.02	.03											.05
KRAMER 5 SE								.02	.01								.01									.04
MELVILLE					.10	.06					.01															.17
MINOT CAA	//															.02	.03									.05
NAPOLEON 1 SE			.03	.01	.01																					.05
NORTHGATE													.01	.03	.15	.01										.20
OAKES																.01	.01	.01	.01		.01					.05
PEMBINA CAA	//						.10	.40	.30	.07	.01															.88
PETTIBONE				.09	.05																					.14
RAUB	//	.01	.02	.01	.01	.03		.01	.01			.03		.01												.14
RICHARDTON ABBEY		.03	.01																							.04
RIVERDALE																	.05									.05
ROLETTE										.02	.02															.04
SARLES 3 E	//											.03							.03	.02						.08
SHEYENNE			.01		.04	.01	.01	.01	.01																	.09
STANLEY				.02										.09	.08											.19
TROTTERS GEN STORE									.02	.03		.01	.01													.07
WAHPETON POWER PLANT				.10	.02																					.12
WATFORD CITY 11E		.01										.03	.09	.02												.15
WILLISTON WB CITY											.02	.05	.03													.10
—28th—																										
GOLVA 1 S E																						-	-	-	-	-
KENMARE						*	*	*	.08																	.08
—29th—																										
AMIDON																		.01	.01							.02
BEACH																				*	*	*	*	*	*	*
BEULAH																							.04	.06	.03	.13
BOWMAN COURT HOUSE	//																			.01		.03	.04	.03	.03	.14
BREIEN																									.01	.01
DICKINSON CAA																						.02	.07	.03	.02	.14
EDGELEY EXP FARM												.01	.02													.03
FARGO WB AIRPORT	//													.01												.01
FRYBURG																				*	*	*	*	*	*	*
GRASSY BUTTE																					.01	.03				.04
HALEY																								.01	.03	.04
HALLIDAY																							.05	.03	.05	.13
HAYNES 8 NE																									.06	.06
MARMARTH M D U CO																	*	*	*	*	*	*	*	*	*	*
MC GREGOR RR STATION													.02	.07	.01	.01	.01									.12
OAKES													.02	.01	.01											.04
RAUB	//																								.01	.01
RICHARDTON ABBEY																					.05	.05	.05	.02	.17
RIVERDALE																								.01	.03	.04
ROLETTE							.02																			.02
TROTTERS GEN STORE																								.03	.02	.05
WAHPETON POWER PLANT									.02	.02		.01	.01	.04												.10
—30th—																										
AMIDON										*	*	*	*	*	*	*	*	.31								.31
ANTLER										.02	.02	.01														.05
BALFOUR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEACH		*	*	*	*	*	*	*	*	.67																.67
BELCOURT INDIAN RES										.01				.01		.01		.01								.04
BEULAH		.02	.03	.01			.01																			.07
BISMARCK WB AIRPORT				.12	.04							.01														.17
BOWMAN COURT HOUSE	//	.02	.01	.01			.01		.01	.01																.07
BREIEN		.01																								.01
CANDO							*	*	.04																	.04
CARSON		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.47								.47
CROSBY		*	*	*	*	*	*	*	*	*	*	*	.17													.17
DAWSON					.05	.17		.01																		.23
DEVILS LAKE WB CITY					.01	.16	.07	.03	.01																	.28
DICKINSON CAA		.06	.04	.01			.01	.02																	.01	.15
EDGELEY EXP FARM								.01	.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESMOND					.06	.06	.01																			.13
FARGO WB AIRPORT	//						.12		.02	.01		.02	.01	.02	.01	.04	.01									.26
FRYBURG		*	*	*	*	*	.35																			.35
GLAOSTONE 22N		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLEN ULLIN																							.01	.01		.02
GOLVA 1 S E		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA	//						.03	.01	.02		.01			.03	.01	.02	.01									.14
GRANO	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRASSY BUTTE		*	*	*	*	*	*	*	*	*	*	*	.50													.50
HALEY								.02	.01	.01																.04
HALLIDAY		.08	.03		.01	.01	.02	.03	.02	.04	.02	.01														.27
HAYNES 6 NE		.01	.01																							.02
HAZELTON R R STATION	//			.06	.03	.01	.01	.02																		.13
HETTINGER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD		.01	.01	.05	.15	.14	.01																			.37
JAMESTOWN CAA	//											.03	.01	.01												.05
KENMARE							.02	.02	.03	.03	.02	.05	.03													.20
KRAMER 5 SE									.03	.03	.02															.08
MANDAN EXP STATION			.07	.03	.01																					.11
MARMARTH M O U CO		*	*	*	*	*	*	*	.40																	.40
MELVILLE						.26	.06																			.32
MINOT CAA	//				.01		.01	.01		.01	.03															.07
MOTT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHGATE							.02		.01	.04	.03	.03	.01	.01	.01											.16
OAKES								.02	.03	.01	.01	.02	.01	.02	.01	.01										.14
PEMBINA CAA	//						.03	.10	.06	.01	.03	.17	.08		.01	.01										.50
PETTIBONE					.10	.05																				.15

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

NORTH DAKOTA
SEPTEMBER 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
RAUB //	.02	.06	.05			.02	.02	.02	.03	.05	.03	.01													.31
RICHARDTON ABBEY	.01				.02		.02	.02	.01	.01	.01														.10
RIVERDALE	.05	.05	.02				.02	.01																	.15
RYDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.09								.09
SARLES 3 E //									.01	.01		.01				.01									.04
SHEYENNE				.04	.18	.24	.01	.01																	.48
STANLEY			.02								.01	.04	.04	.04	.07	.03									.25
TROTTERS GEN STORE										.08	.09	.08	.05	.04	.04	.01									.39
WAHPETON POWER PLANT		.01	.08	.01	.06		.02	.02				.01				.03									.24
WASHBURN WATER WKS			.10			.06																			.16
WATFORD CITY 11E	.05	.03							.01	.04	.07	.05	.05	.05											.35
WILLISTON WB CITY				.06	.04	.08	.03	.04	.03	.01							.01								.30

See reference notes following Station Index.

Table 5

DAILY TEMPERATURES

NORTH DAKOTA
SEPTEMBER 1950

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7SW	MAX	98	93	83	95	93	94	85	73	66	50	51	61	61	55	53	65	68	70	75	67	72	79	73	92	80	90	61	62	49	45		71.0
	MIN	52	53	53	54	62	63	55	47	45	42	39	33	40	34	43	48	43	44	47	52	37	53	45	48	50	50	45	36	33	35		46.0
AMENIA	MAX	84	91	79	80	87	87	89	76	76	65	57	57	62	71	66	63	73	74	75	69	65	75	63	79	84	81	74	67	56	51		72.5
	MIN	45	51	48	42	52	51	48	51	50	49	45	49	47	39	49	51	53	51	45	54	45	46	40	36	46	55	48	37	41	39		46.7
AMIDON	MAX	96	86	91	91	94	96	92	66	62	59	61	65	55	57	55	71	68	70	72	73	74	78	79	82	78	73		63	52	40		72.0
	MIN	54	50	55	52	62	63	57	49	37	36	32	31	43	36	36	42	39	40	45	50	43	46	49	45	51	44		34	31	31		44.2
ARVILLA STATE PARK	MAX	91	99	77	91	89	90	89	75	69	65	65	57	65	69	57	58	73	74	76	69	98	74	65	79	84	80	73	63	55	49		71.9
	MIN	45	50	43	39	63	55	53	39	57	41	45	49	47	35	42	48	46	53	40	52	45	50	37	36	52	56	49	42	35	38		49.0
ASHLEY	MAX	88	92	85	83	86	85	90	81	79	74	53	55	63	70	60	57	70	70	67	62	65	78	70	79	81	78	67	66	50	47		71.7
	MIN	53	47	49	47	52	54	51	52	50	45	41	39	30	30	53	52	51	52	39	53	40	44	41	44	50	54	48	36	39	37		45.7
BALDHILL DAM	MAX	80	88	93	76	82	84	88	90	78	72	50	54	56	59	70	61	66	74	72	74	71	70	74	77	78	80	84	64	66	54		72.8
	MIN	50	52	42	46	50	47	50	46	48	48	40	44	34	32	41	39	41	46	40	44	40	38	38	40	40	46	52	32	34	36		42.5
BEACH	MAX	85	99	96	97	84	90	79	64	56	52	51	56	53	47	49	59	69	69	77	71	75	77	78	82	91	76	58	57	44	40		68.6
	MIN	51	53	54	57	57	58	54	47	43	40	39	34	40	38	38	43	39	37	46	49	42	42	41	47	50	48	40	34	27	31		44.0
BELCOURT INDIAN RES	MAX	77	81	74	80	89	84	75	65	51	47	50	53	57	61	64	52	69	68	73	64	70	72	63	80	81	76	66	56	49	39		66.2
	MIN	49	52	41	48	56	56	48	42	40	42	39	36	45	33	44	40	45	44	34	42	35	46	39	43	37	49	41	32	27	31		41.8
BELFIELD	MAX	86	90	86	96	93	93	80	72	55	53	52	60	61	49	49	61	66	70	69	70	70	76	79	83	79	79	59	58	48	41		69.3
	MIN	52	50	45	46	55	56	56	49	42	39	40	30	31	36	37	46	35	42	43	49	49	43	40	45	43	43	41	32	26	32		42.4
BISBEE	MAX	90	84	75	82	91	90	80	69	51	47	53	56	60	62	65	55	71	70	74	66	70	73	64	82	82	80	68	60	52	40		68.4
	MIN	48	49	44	42	56	53	50	47	40	44	42	39	46	38	41	43	44	46	42	49	40	46	37	43	47	47	38	37	31	36		43.5
BISMARCK WB CITY	MAX	84	91	81	90	89	91	85	79	66	52	51	60	62	61	55	67	68	71	70	69	69	81	74	82	82	81	72	64	59	49		71.8
	MIN	53	49	52	54	60	64	56	52	52	46	42	36	38	35	46	52	46	49	43	57	41	48	42	50	49	56	49	39	37	38		47.3
BISMARCK WB AIRPORT	MAX	96	92	91	92	90	94	86	71	66	51	51	59	63	63	55	67	70	71	72	69	71	81	73	83	84	82	59	64	50	46		71.4
	MIN	53	48	50	54	61	65	56	52	47	45	42	34	37	33	49	49	46	47	42	50	38	47	42	49	45	55	46	37	34	37		46.3
BOTTINEAU	MAX	78	86	76	84	92	86	84	68	56	54	53	59	60	60	66	65	68	70	76	75	68	75	72	83	84	78	72	55	50	45		69.9
	MIN	54	52	51	51	57	60	53	45	44	44	40	34	45	35	44	44	45	43	41	45	34	30	40	43	42	48	42	32	27	32		43.2
BOWBELLS	MAX	79	85	82	95	90	96	82	72	59	49	51	59	56	52	60	51	68	70	78	69	69	80	78	75	83	83	82	55	58	50		70.1
	MIN	41	52	47	68	56	52	54	56	35	43	40	33	34	35	40	40	36	41	40	45	37	40	43	47	50	49	45	37	30	32		43.3
BOWBELLS 5E	MAX																					67	77	76	73	82	81	80	55	53	49		
	MIN																					37	51	42	45	42	50	44	32	26	34		
BOWMAN COURT HOUSE	MAX	84	88	88	91	92	90	89	73	70	46	49	49	51	51				66	72	72	70		73	77	76	76	63	54	54	40		69.4
	MIN	52	53	51	55	57	56	55	50	45	40	39	34	33	37				39	39	50	43		45	45	48	45	40	33	35	32		44.3
BUTTE	MAX	77	88	79	91	92	94	80	71	69	48	50	57	56	57	56	66	71	70	75	72	74	73	75	84	83	82	68	62	55	49		70.8
	MIN	56	51	47	55	63	64	57	46	44	44	45	35	35	36	46	45	39	44	46	48	35	39	40	51	53	53	44	36	31	35		45.4
CARRINGTON	MAX	79	86	90	75	85	90	90	89	72	65	50	55	55	65	97	61	60	70	71	72	70	69	74	67	80	82	80	60	60	52		71.3
	MIN	52	52	45	45	50	59	50	42	43	45	42	39	35	37	39	47	47	47	45	52	39	39	38	39	54	55	50	39	39	36		44.6
CARSON 2 S W	MAX	90	92	82	95	94	94	84	75	65	50	50	60	60	55	52	66	68	70	75	62	71	80	75	82	90	80	60	61	50	45		70.9
	MIN	50	50	51	56	56	57	53	50	46	42	40	34	39	35	44	47	42	43	47	54	43	44	45	46	47	50	46	37	35	34		45.4
CAVALIER POWER PLANT	MAX	77	98	79	91	91	93	90	71	66	51	54	55	62	65	69	62	64	74	75	71	71	72	62	82	84	81		74	69	61	47	71.4
	MIN	42	50	44	41	55	54	53	36	41	46	44	47	49	36	45			52	41	55	33	42	35	40	42		41	43	35	32		43.5
CENTER	MAX	90	90	94	92	94	96	92	70	63	59	50	60	69	60	54	66	68	69	74	72	71	72	75	83	81	81	62	60	59	46		71.7
	MIN	52	40	42	50	59	60	58	44	44	42	39	28	34	30	45	45	52	41	35	52	50	52	50	40	39	45	39	40	25	35		43.5
COOPERSTOWN	MAX																																
	MIN	50	52	43	47	52	56	51	45	50	44	42	43	41	36	50	47	51	47	45	50	41	47	39	42	45	55	46	38	34	38		45.5
CROSBY	MAX	84	83	85	86	97	87	86	72	70	47	54	53	58	59	56	61	52	69	71	79	75	82	80	79	85	83	72	56	52	47		70.6
	MIN	44	46	49	53	57	52	52	40	41	41	40	31	32	35	36	40	36	40	40	42	39	38	43	44	45	47	43	35	29	29		41.2
DEVILS LAKE W B CITY	MAX	82	88	76	82	91	91	84	72	61	47	51	54	62	64	56	56	70	71	74	69	69	74	63	82	82	80	59	62	53	43		68.9
	MIN	50	53	44	49	59	60	53	44	46	43	43	45	46	41	49	46	50	49	48	43	38	47	38	50	52	56	46	40	35	36		46.6
DICKINSON CAA	MAX	85	90	84	96	92	92	79	63	56	48	50	57	54	47	48	60	67	68	75	70	75	77	75	83	79	81	59	58	44	39		68.3
	MIN	56	55	53	57	60	60	53	47	42	40	39	33	41	35	41	46	40	42	43	47	40	45	47	50	51	48	42	35	28	32		44.9
DICKINSON EXP STATION	MAX	85	85	91	85	89	94	94	79	63	55	50	52	60	57	48	50	62	70	68	79	72	75	79	77	83	82	83	58	59	46		71.2
	MIN	54	46	48	57	60	60	51	50	46	41	39	31	36	36	39	43	38	42	41	48	39	41	40	46	43	43	43	35	26	33		43.2
DRAKE	MAX	90	77	88	90	89	91	100		91		58	54	57	59	60	57	62	71	70	75	72	74	75	72	89	85	88	64	62	54		73.4
	MIN	52	53	53	54	52	64	57		41		41	35	40	36	45	45	38	39	46	53	33	36	41	45	50	52	49	37	32	35		44.9
DUNN CENTER	MAX	85	84	92	84	99	96	91	90	69	51	50	51	60	58	49	50	62	69	69	78	75	77	79	77	84	83	84	59	60	47		71.6
	MIN	45	42	42	46	56	58	51	46	48	42	40	27	27	33	37	43	33	42	35	35	35	35	38	39	40	41	42	32	26	29		39.5
DUNSEITH ST SANITARIUM	MAX	76	79	81	76	81	90	87	82	70	63	47	51	55	56	65	54	68	68	74	69	71	72	66	82	82	77	73	55	49	44		68.7
	MIN	52	56	59	44	50	57	63	53	49	44	43	39	36	35	45	43	49	44	42	46	31	47	41	42	42	52	42	34	27	34		44.9
EDGELEY EXP FARM	MAX	83	99	94	99	94	87	87	91	74	78	51	56	59	65	70	58	62	69	72	71	64	66	76	66	79	84	78	64	68	50		72.7
	MIN	47	45	46	53	48	49	52	49	44	49	42	42	33	33	42	51	49	51	43	47	41	43	37	41	43	50	51	38	39	37		44.5
EDMORE 1 W	MAX	80	87	77	81	89	90	87	73	62	47	53	55	62	63	63	57	70	73	73	69	67	74	62	82	82	78	69	61	53	45		99.5
	MIN	49	50	39	43	57	57	50	38	44	44	42	45	46	39	49	45	50	47	41	46	35	43	35	48	44	55	45	38	33	33		44.3
ELBOWOODS	MAX	82	90	88	98	90	90	80	68	54	49	51	59	58	60	54	63	67	69	77	76	75	79	77	79	86	87	59	60	49	50		70.8
	MIN	47	48	50	50	47	64	49	45	44	44	41	30	39	34	38	47	37	33	39	47	37	44	42	43	45	48	44	31	28	25		41.9
ELLENDALE	MAX	89	95	79	84	87	87	92	97	80	74	57	57	72	73	67	63	74	74	79	63	62	78	76	78	84	78	73	69	62	49		74.7
	MIN	52	50	49	45	49	50	49	54	60	50	44	45	36	40	54	55	54	57	47	53	43	42	40	39	45	53	52	36	45	40		47.6
EPPING	MAX	85	89	85	99	95	90	83	69	63	53	52	59	54	47	56	59	68	70	90	76	80	80	79	84	83	75	58	55	48	42		70.5
	MIN	43	51	53	56	57	52	56	42	44	42	40	34	35	37	37	44	38	47	43	49	40	44	47	51	51	49	40	36	27	32		43.9
FARGO WB AIRPORT	MAX	84	90	75	82	86	87	91	73	76	64	55	57	66	71	69	66	73	73	75	70	62	75	63	79	85	91	97	68	52	50		72.1
	MIN	46	54	47	49	55	55	54	52	52	48	47	50	46	40	49	53	55	54	47	49	46	49	40	41	50	58	46	42	44	41		49.9
FESSENDEN	MAX	92	86	84	95	89	91	85	70	64	54	52	55	59	62	59	59	59	68	70	65	69	72	70	79	80	79	74	81	55	49		69.5
	MIN	51	47	49	47	62	64	62	42	45	40	42	39	37	36	34	48	47	49	48	43	40	38	37	49	51	57	45	41	36	38		45.4
FORMAN	MAX	97	91	84	92	96	96	99	85	89	82	55	62	67	74	71	67	72	74	72	62	61	75	69	75	84	90	74	71	65	48		74.6
	MIN	49	52	52	54	57	56	55	53	46	44	43	47	35	37	52	51	52	51	44	52	44	41	40	38	45	59	52	36	44	40		47.3
FORT YATES	MAX	86	90	80	90	89	99	95	72	77	56	55	62	57	70	60	66	68	70	7[illegible]	66	99	80	74	82	82	82	73	67	69	49		72.7
	MIN	53	48	49	53	59	54	56	50	50	45	43	39	30	37	47	50	49	49	39	55	40	49	43	47	50	55	48	37	35	35		49.4
FOXHOLM WILDLIFE REF	MAX	79	84	80	92	94	90	85	76	69	50	52	60	60	58	63	63	69	87	78	74	76	76	72	84	84	84	67	59	52	50		71.6
	MIN	44	47	43	48	62	62	51	45	44	44	42	36	37	38	45	44	40	43	36	47	38	49	40	49	50	50	44	38	27	33		43.9

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

NORTH DAKOTA
SEPTEMBER 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FULLERTON	MAX	89	85	81	85	88	89	91	79	79	76	56	58	68	72	65	64	71	74	72	62	64	77	68	77	84	80	70	69	58	49		73.7
	MIN	50	50	48	43	51	44	47	54	49	49	44	46	35	37	53	54	53	56	46	53	43	45	40	39	45	55	51	38	45	41		48.8
GACKLE	MAX	86				89	86	87	84	73	68	53	54	62	69	65	60	66	69	70	67	65	73	70	78	82	76	74					71.9
	MIN	54				48	57	54	50	49	45	41	40	34	34	48	50	49	51	45	54	41	50	39	49	51	55	48					47.3
GARRISON	MAX	81	90	80	93	93	92	80	71	51	49	50	59	68	54	55	64	67	69	74	74	75	80	72	85	83	83	55	80	52	42		70.1
	MIN	55	48	50	52	62	65	51	46	44	42	38	32	38	35	45	43	39	41	42	51	35	48	45	52	50	49	40	36	30	35		44.7
GRAFTON STATE SCHOOL	MAX	75	90	82	80	88	90	83	78	67	56	54	55	63	66	65	62	75	74	75	74	68	73	68	81	84	83	78	63	83	54		72.8
	MIN	49	49	44	43	54	53	50	43	44	46	43	47	47	42	47	46	49	53	41	47	42	53	36	38	52	54	53	40	33	35		45.8
GRAND FORKS CAA	MAX	80	91	74	81	88	89	89	72	71	53	55	56	64	67	58	60	73	73	75	70	67	73	62	80	85	81	67	63	56	44		70.8
	MIN	51	52	44	46	56	56	54	43	47	46	46	49	46	40	50	50	53	52	48	46	43	44	38	40	47	58	47	41	36	38		46.9
GRAND FORKS UNIVERSITY	MAX	79	89	74	79	86	88	89	73	70	62	53	55	60	65	58	59	71	72	74	68	63	73	60	78	84	80	62	63	56	50		68.8
	MIN	55	52	45	47	56	55	52	44	46	47	45	47	49	38	49	50	50	51	47	53	42	44	37	39	46	56	49	41	37	40		47.0
GRANVILLE	MAX	82	88	80	91	95	91	82	71	63	51	52	60	60	61	83	61	72	71	78	78	78	79	74	88	87	71			55	47		72.5
	MIN	48	54	46	49	62	63	55	42	44	43	39	32	34	35	46	43	45	43	41		45	47	38	50	48	51			28	36		44.7
GRENORA	MAX	84	89	87	100	100	98	85	70	60	55	52	72	54	58	60	60	68	69	79	75	80	84	80	84	84	74	59	54	80	62		73.5
	MIN	44	50	48	53	59	50	54	35	45	40	35	31	35	35	40	41	35	35	40	46	40	46	45	46	45	45	40	35	28	32		41.7
HANKINSON R R STATION	MAX	83	85	82	88	82	85	85	89	75	81	77	54	59	67	72	76	68	72	72	71	63	58	74	65	78	85	80	68	78	53		74.2
	MIN	48	53	53	44	44	50	51	55	47	47	45	45	46	43	49	53	53	55	48	50	46	45	42	37	42	55	55	45	47	44		47.9
HANNAH	MAX	76	82	74	79	80	89	83	71	60	47	54	55	60	62	66	60	70	70	73	65	68	70	84	80	81	79	68	58	51	42		88.3
	MIN	51	53	40	44	59	57	54	38	41	42	42	44	46	42	45	42	48	48	40	45	41	44	32	47	45	55	43	38	31	33		44.4
HANSBORO	MAX	80	87	76	81	91	81		67	51	46	54	54		66	68	55	73	74	78	64	73	73	66	83	83	79	62	58	54	40		68.5
	MIN	49	50	40	41	57	47		39	41	40	40	34		37	44	41	43	45	39	46	37	46	34	46	46	46	41	34	25	31		41.4
HETTINGER	MAX	89	80	84	82	89	81	87	86	84	67	58	57	57	56	53	64	69	68	74	73	69	76	80	82	77	80	62	61	60	58		72.8
	MIN	65	60	66	62	68	59	70	68	46	39	37	36	33	34	36	42	44	45	48	41	42	54	59	81	57	47	41	34	37	33		48.8
HILLSBORO	AX	82	91	78	82	87	87	89	73	73	64	55	57	56	69	65	63	72	75	76	67	65	74	63	78	85	81	76	65	54	50		71.7
	MIN	50	47	49	50	46	49	55	49	52	47	44	50	42	39	47	49	54	51	46	54	46	42	38	37	45	54	56	48	38	38		47.1
JAMESTOWN CAA	MAX	87	90	76	84	89	90	89	75	71	52	55	56	65	69	56	61	72	72	74	70	67	76	66	79	84	80	61	65	52	47		71.0
	MIN	47	49	45	42	51	54	49	46	50	44	42	44	36	35	50	45	45	50	43	45	41	48	37	40	43	54	45	39	37	40		44.5
JAMESTOWN STATE BOSP	MAX	87	92	80	84	90	91	91	77	73	57	54	55	83	69	63	61	70	70	74	69	66	74	65	80	85	80	69	63	55	49		71.9
	MIN	48	51	47	46	54	55	50	49	52	48	43	45	39	36	50	51	47	50	44	56	43	50	40	41	46	50	48	39	38	39		46.5
KENMARE	MAX	80	81	88	81	92	86	90	79	72	48	49	56	62	59	56	61	59	68	74	80	70	78	78	74	84	84	82	48	55	51		70.8
	MIN	42	53	49	51	59	58	60	39	43	40	38	32	37	37	40	39	35	39	42	46	40	42	43	43	52	54	48	40	32	34		43.6
KENSAL WILDLIFE REFUGE	MAX	88	94	78	81	87	90	92	82	70	59	55	55	64	70	61	59	69	74	74	70	69	75	75	80	82	77	67	62	54	48		72.0
	MIN	48	48	42	42	52	55	45	40	48	47	42	41	34	34	50	49	46	47	40	55	40	50	38	41	48	51	48	38	37	37		44.5
LA MOURE	MAX	87	95	83	83	85	98	91	87	78	73	55	57	67	73	68	63	70	74	72	65	65	76	78		83	80	75	69	63	50		74.6
	MIN	50	47	46	44	54	54	50	51	51	48	42	46	35	34	51	52	51	54	42	53	41	43	41		45	56	52	36	42	38		46.8
LANGDON EXP FARM	MAX	77	87	77	80	90	92	88	75	62	48	54	53	60	63	67	60	71	72	73	67	68	72	68	81	76	78	70	81	58	45		69.8
	MIN	51	54	37	46	59	58	55	40	42	44	40	44	46	40	46	42	50	50	44	47	41	42	33	44	47	56	47	37	31	31		44.8
LARIMORE	MAX	74	80	78		83	83			74	68	58	60	60	58	56		71	70	68	62	84	52	71	75	74	69	58	53	45	45		68.5
	MIN																																
LEEDS	MAX	84	87	78	84	93	93	85	72	63	48	52	56	59	64	57	57	73	73	75	70	72	76	69	83	83	82	72	62	53	42		70.8
	MIN	47	52	42	46	59	58	58	40	45	45	42	39	41	36	45	44	45	46	50	50	36	46	37	48	51	54	44	38	32	36		45.1
LINTON	MAX	87	92	85	91	90	90	88	74	75	62	53	60	65	67	63	68	69	70	69	68	69	80	74	80	82	82	70	67	58	50		73.3
	MIN	52	47	52	55	56	58	54	52	52	48	43	34	36	30	51	53	48	52	42	58	42	42	44	43	44	55	50	35	37	34		46.6
LISBON	MAX											57	54	57	67	73	66	67	72	74	74	65	63	75	67	77	83	79	67	70	47		
	MIN											43	43	37	34	36	48	50	54	40	41	42	43	38	35	48	48	54	34	34	34		
MANDAN EXP STATION	MAX	80	83	90	79	92	81	93	84	71	64	49	51	59	62	61	54	66	68	69	73	69	72	78	71	83	83	82	56	62	48		71.5
	MIN	52	48	49	52	60	60	53	51	50	44	40	32	37	33	39	51	43	47	42	53	38	48	44	47	46	53	50	38	33	37		45.7
MANDAN FT LINCOLN PARK	MAX	86	93	87	95	95	97	89	79	66	62	53	63	68	63	58	70	68	77	75	63	73	82	73	85	85	83	70	65	56	48		74.2
	MIN	52	48	50	54	57	52	53	51	50	41	40	33	36	34	47	50	45	45	40	54	47	47	42	47	45	53	48	39	33	37		45.6
MARMARTH	MAX	86	93	86	97	94	94	86	72	68	54	52	62	55	48	48	61	70	67	77	68	75	78	78	84	82	80	58	60	50	41		70.8
	MIN	46	46	56	60	59	55	53	53	47	42	34	45	34	38	40	45	43	45	40	50	41	47	33	33	43	48	43	33	29	33		43.8
MAX	MAX	83	77	89	80	91	94	91	81	70	53	47	50	59	55	56	57	63	68	68	75	72	74	77	77	84	82	84	56	81	51		70.8
	MIN	53	52	50	54	59	61	56	46	49	43	40	34	37	36	42	44	42	42	44	47	36	49	44	43	36	48	48	34	27	32		44.2
MAYVILLE	MAX	82	90	83	81	88	86	90	85	75	73	55	56	65	68	59	60	74	74	76	66	63	73	74	76	84	80	74	64	55	48		72.6
	MIN	48	52	45	43	53	55	54	52	48	48	46	49	49	40	49	50	53	52	46	56	47	48	44	40	51	55	50	40	40	40		48.1
MC CLUSKY	MAX	78	87	80	89	89	92	88	73	57	46	49	55	60	61	54	64	69	69	71	72	71	76		82	80	80	72	61	56	45		69.9
	MIN	51	51	48	53	60	63	55	45	46	44	40	34	37	38	48	47	45	45	45	55	36	49		44	48	51	46	34	35	36		45.8
MC HENRY 5 N	MAX	83	90	75	82	89	91	87	72	67	49	52	54	63	65	56	68	70	70	73	70	67	72	62	78	82	78	68	60	52	48		69.8
	MIN	49	54	44	47	55	58	50	44	48	45	42	44	40	36	50	46	47	46	46	54	38	47	38	42	47	55	45	37	35	36		45.4
MC LEOD 3 E	MAX	89	93	81	82	88	90	85	80	78	70	65	65	60	74	.5	69	70	75	76	67	70	70	65	78	85	80	72	71	62	50		74.5
	MIN					51	54	50	48	46	45	44	48	41	37	50	55	52	55	45	45	48	43	38	35	50	56	52	37	45	38		46.4
MEDORA T R N M P	MAX	86	90	88	100	97	92	87	72	56	56	53	61	56	52	49	62	70	70	79	76	77	79	84	79	83	78	58	54	54	44		71.5
	MIN	45	46	52	60			58	46	46	42	41	29	43	38	42	42	34	37	37	56	56	36	36		40	41	43	34	23	32		42.0
MINOT CAA	MAX	78	88	79	91	93	88	78	66	54	48	50	57	55	58	63	62	68	67	76	75	78	75	72	86	84	85	55	61	51	41		69.4
	MIN	54	54	49	49	67	65	51	46	44	43	37	35	37	37	45	44	42	44	47	45	35	53	40	51	53	49	44	38	31	35		45.5
MINOT EXP FARM	MAX	77	86	78	90	92	88	78	66	57	48	50	56	57	58	62	60	67	67	75	74	77	76	71	84	82	83	62	58	51	45		69.2
	MIN	55	52	47	46	65	65	60	45	44	43	39	34	38	37	45	44	39	43	44	50	35	49	40	50	50	52	38	34	31	35		45.0
MOHALL	MAX	78	85	77	89	87	83	77	66	52	48	53	52	57	58	64	55	68	68	76	68	78	76	70	82	82	82	56	55	50	40		67.7
	MIN	42	47	45	45	57	55	53	38	45	44	39	34	35	34	44	42	43	45	41	43	33	48	41	50	48	43	42	38	30	34		42.6
MOTT	MAX	86	90	81	94	91	91	82	72	63	50	52	55	60	53	51	65	68	70	74	65	72	79	73	81	78	78	64	63	54	44		70.0
	MIN	46	43	44	56	60	59	50	50	45	42	40	31	36	32	43	43	37	40	41	51	41	40	40	47	41	43	45	36	29	35		42.8
MUNICH 4 SW	MAX	80	87	77	80	92	91	84	72	52	46	53	57	61	64	67	58	71	72	73	67	68	74	69	83	82	79	65	61	51	51		69.8
	MIN	49	51	41	47	59	57	51	42	43	44	42	44	46	37	49	49	48	47	43	47	41	46	34	40	45	52	43	35	30	34		44.5
NAPOLEON 1 SE	MAX	87	91	79	86	88	88	90	79	72	64	54	55	62	68	62	63	66	72	68	65	68	80	69	77	79	79	68	65	53	47		71.5
	MIN	51	46	47	49	58	59	56	48	49	46	40	36	29	31	50	53	48	49	42	54	39	50	41	46	54	56	51	36	35	37		46.2
NEW ENGLAND	MAX	86	90	85	95	93	84	88	71	65	52	51	59	58	58	54	62	68	69	77	72	74	79	76	83	79	82	62	60	55	41		71.3
	MIN	51	51	46	49	55	60	52	52	46	42	39	29	39	34	42	45	40	42	40	52	44	41	41	46	45	43	44	36	28	33		43.8

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

NORTH DAKOTA
SEPTEMBER 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW SALEM 1 S	MAX	86	91	85	91	91	92	85	77	72	53	50	49	52	53	57	65	70	77	72	68	73	80	72	82	74	80	61	62	52	47		70.7
	MIN	46	48	50	56	60	65	50	49	49	46	38	33	36	38	43	47	48	50	49	51	48	50	49	49	51	48	43	33	35	33		46.4
OAKES	MAX	86	89	86	80	85	87	86	80	74	82	52	53	55	70	74	65	64	71	76	69	61	83	77	70	77	83	78	66	70	53		73.4
	MIN	50	55	48	45	52	53	51	54	50	52	43	45	38	36	38	50	54	57	45	47	43	40	42	38	47	49	55	34	37	42		46.4
PARK RIVER	MAX	78	90	80	80	90	93	90	79	67	50	55	55	62	64	63	60	73	74	75	74	69	73	68	81	85	81	75	64	60	53		72.0
	MIN	51	49	45	44	57	53	58	46	46	46	44	48	48	42	47	46	47	53	44	56	40	53	38	45	56	54	52	43	39	36		47.5
PARSHALL	MAX	79	89	84	95	95	89	78	71	53	48	50	58	54	51	56	62	64	68	75	74	76	80	75	85	83	83	60	60	53	44		69.7
	MIN	47	44	46	54	58	58	49	42	43	42	38	29	33	35	42	43	36	40	39	44	33	44	40	48	43	44	42	35	25	32		41.7
PEMBINA CAA	MAX	77	88	74	78	89	92	87	71	61	50	53	54	59	64	69	60	70	73	75	64	68	70	60	81	86	80	67	63	53	41		68.3
	MIN	50	49	44	40	56	57	50	41	42	45	45	47	46	45	46	46	51	49	41	43	43	44	33	40	48	53	46	37	33	31		44.7
PETERSBURG	MAX	80	88	76	80	89	81	89	74	69	47	53	55	63	61	55	55	71	74	74	68	68	61	62	78	82	78	66	62	55	45		68.0
	MIN	53	53	43	48	56	58	55	43	47	45	43	46	45	47	45	45	49	48	47	51	40	47	38	43	49	57	44	38	36	35		46.5
PETTIBONE	MAX	85	91	84	85	90	89	88	78	72	50	52	54	63	67	59	60			70	73	70	74	66	77	81	78	67	60	53	48		70.9
	MIN	53	52	48	47	57	60	56	45	50	45	41	36	36	32	50	50			43	41	51	46	41	47	47	55	46	38	35	35		45.8
PORTAL	MAX	80	80	83	86	94	84	83	72	71	49	52	51	59	55	55	60	57	69	70	78	71	80	78	77	83	83	78	55	50	47		68.7
	MIN	43	59	49	55	51	51	52	33	36	42	39	33	35	37	40	41	36		43	48	38	45	43	48	48	48	44	38	29	32		42.7
POWERS LAKE 1N	MAX																													52	48		
	MIN																													32	28		
RICHARDTON ABBEY	MAX		90	83	95	93	95	87	71	57	47	48	60	58	53	49	63	69	70	75	68	74	80	75	83	78	83	61	58	52	44		68.7
	MIN		53	52	55	61	61	56	50	44	41	39	37	40	38	42	46	41	43	44	50	42	47	48	48	47	47	42	35	33	33		45.4
RIVERDALE	MAX	80	89	80	94	93	83	80	71	55	49	50	58	58	54	53	64	68	68	72	72	75	78	71	85	82	83	63	61	50	46		68.8
	MIN	56	52	50	55	62	65	58	49	44	43	40	34	39	34	45	46	42	44	45	51	37	50	42	49	48	50	48	37	33	35		46.1
ROLLA	MAX	77	82	74	71	89	85	77	65	52	45	51	54	57	61	64	51	68	68	73	63	69	72	63	81	81	77	65	56	50	38		66.0
	MIN	59	61		46	56	50	51	45	43	41	43		44		48	40	45	45	42	49	36	50	37	44	47	48	41	33	28	35		44.7
RUGBY	MAX	80	86	80	85	92	91	88	77	65	48	53	56	59	61	61	57	71	69	76	71	72	76	74	84	83	80	78	82	57	50		71.4
	MIN	50	60	46	50	62	62	56	44	48	45	42	38	40	38	48	44	40	44	44	50	34	48	40	50	48	53	46	38	31	38		45.8
SANISH	MAX	83	84	83	87	99	87	88	78	67	50	51	51	59	56	49	56	62	67	68	80	77	77	79	77	83	84	82	57	56	52		71.3
	MIN	38	47	53	55	59	56	59	43	41	43	41	31	32	40	40	44	39	41	38	39	38	40	43	45	44	47	44	38	30	32		42.7
SHARON	MAX	80	88	76	80	86	88	89	75	70	52	55	56	64	68	65	57	70	75	72	67	67	75	64	75	80	77	70	60	53	47		70.0
	MIN	54	54	47	50	57	57	54	47	50	46	43	46	46	40	50	47	52	49	47	45	42	48	38	45	50	57	45	40	37	38		47.4
STANLEY	MAX	80	85	81	96	93	86	74	64	52	48	52	56	54	52	57	59	64	66	76	72	77	76	74	72	74	80	54	55	56	38		67.4
	MIN	48	50	48	52	56	57	52	43	41	41	40	31	37	36	40	35	39	41	38	44	33	42	44	42	50	40	40	33	26	30		41.6
STEELE	MAX	85	90	76	86	89	89	75	73	66	59	52	56	64	68	59	68	66	70	73	69	69	76	69	78	81	78	68	63	52	42		70.3
	MIN	51	46	45	48	54	55	51	50	49	43	39	35	32	32	45	46	43	45	43	55	39	37	38	44	45	44	46	33	35	35		43.4
TOWNER	MAX	80	83	78	88	94	90	85	72	55	54	55	59	74	61	64	65	65	62	77	72	76	77	70	87	85	83	66	63	54	47		71.4
	MIN	46	52	42	47	60	62	53	40	44	43	39	31	33	33	43	43	41	40	38	45	28	44	36	43	46	50	43	34	25	28		41.8
TURTLE LAKE	MAX	79	88	80	90	86	94	87	78	58	48	51	67	59	61	54	61	68	68	72	72	73	78	72	83	81	82	66	59	55	58		71.0
	MIN	50	48	47	50	60	64	56	46	48	44	40	33	47	35	47	45	41	43	41	52	35	46	41	49	43	52	41	38	32	36		45.0
UNDERWOOD 12 W	MAX	83	81	83	94	92	95	87	72	62	50	51	60	60	54	53	65	70	70	74	74	75	80	74	85	82	82	72	65	55	55		72.2
	MIN	49	45	46	50	61	65	53	44	44	45	39	31	34	34	45	48	37	45	38	40	34	42	40	45	45	62	45	36	27	36		43.5
UPHAM WILDLIFE REFUGE	MAX	78	87	81	87	95	80	81	70	63	50	54	59	61	61	68	60	71	71	79	78	75	76	71	87	87	81	69	60	56	46		71.7
	MIN	50	51	43	50	54	57	50	38	45	44	39		35	36	36	44	42	43	39	45	31	41	40	44	44	47	44	35	28	32		42.3
VALLEY CITY	MAX	85	91	88	81	88	87	88	86	74	72	53	56	65	71	69	63	72	73	73	69	65	73	70	78	83	79	75	65	62	51		73.5
	MIN	45	49	45	41	51	55	49	49	50	47	42	45	37	37	40	49	48	50	42	51	42	46	40	37	44	55	53	36	37	40		45.1
VAN HOOK	MAX	82	90	85	98	97	91	84	68	64	50		59	55	51	55	61	63	68	77	75	77	80	76	85	84	83	64	58	54	46		71.7
	MIN	48	47	49	57	62	60	52	44	44	44		33	38	37	43	45	42	39	41	48	37	45	44	47	46	48	42	35	27	32		44.0
VELVA	MAX	77	86	77	91	93	90	78	67	58	49	50	58	55	56	60	60	70	67	72	72	72	74	71	84	82	82	69	60	52	47		68.2
	MIN	53	48	45	51	66	67	56	43	38	41	42	34	35	36	46	45	43	45	41	50	36	50	40	52	53	56	45	40	33	37		45.6
WAHPETON STATE SCHOOL	MAX	86	87	87	80	83	85	88	87	80	78	61	59	66	72	75	69	72	71	76	68	64	74	73	76	84	79	77	72	68	56		75.1
	MIN	49	58	50	48	52	55	51	55	45	46	46	49	49	40	50	53	53	55	49	56	47	44	38	37	48	55	57	43	47	45		48.0
WASHBURN	MAX	80	88	81	90	90	93	88	73	83	56	51	58	58	60	55	65	66	69	70	72	73	79	71	83	81	81	68	62	56	48		71.6
	MIN	56	52	52	57	62	64	61	49	43	44	41	35	39	36	47	49	44	44	45	55	38	48	45	50	51	54	47	40	34	37		47.3
WATFORD CITY	MAX	86	90	85	98	96	89	74	62	56	53	52	61	53	47	53	61	68	71	80	81	79	80	78	85	84	78	61	58	51	45		70.6
	MIN	51	49	50	57	59	58	54	42	44	42	40	32	41	39	38	46	37	41	41	41	40	46	43	48	47	46	42	34	27	31		43.6
WESTHOPE	MAX														58	67	53	68	70	78	67	75	74	67	83	84	80	57	58	52	44		
	MIN	39	40	42	46	51	60	50	39	43	42	36	34	43	39	43	43	45	43	49	42	36	45	42	45	47	50	44	41	30	35		42.8
WILLISTON W8 CITY	MAX	83	88	85	97	92	84	74	65	52	52	52	57	53	48	55	60	66	71	79	76	80	81	80	83	83	67	58	54	47	41		68.8
	MIN	50	54	54	62	57	56	52	44	45	44	42	36	41	36	39	45	39	43	42	50	43	48	48	54	51	52	42	37	33	32		45.7
WILLOW CITY	MAX	81	86	77	85	92	88	81	72	51	50	55	58	60	62	63	56	71	76	77	71	74	77	67	85	84	80	65	60	55	42		70.0
	MIN	48	47	42	46	52	54	50	44	44	44	41	35	41	35	46	43	46	37	46	44	32	45	35	38	40	44	44	37	30	35		42.2
WILTON RR STATION	MAX	78	79	88	76	87	88	91	81	67	61	59	48	54	58	59	52	63	65	67	68	72	68	77	68	80	79	78	54	60	48		89.1
	MIN	52	49	48	49	55	57	49	46	48	43	38	34	37	36	41	46	41	44	42	48	35	38	42	41	43	46	47	36	31	34		43.2
WISHEK	MAX	82	88	91	75	85	87	86	88	71		72	52	52	65	70	56	78	68	62		62	66	72		80	68		58	44			71.1
	MIN	48	42	45	48	51	55	52	52	46		40	35	26	26	36	51	49	51			38	42	36		43	50	37	36	37			42.8

See reference notes following Station Index.

Table 6

EVAPORATION AND WIND

NORTH DAKOTA
SEPTEMBER 1950

Station		Day of month																														Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Dickiosoo Exp. Statioo a	EVAP	.32	.16	.31	.31	.32	.31	.19	.28	.06	.09	.06	.08	.09	.07	*	*	.09	.06	.13	.12	.10	.12	.14	.14	.19	.16	.16	.09	.23	.05		4.43
	WIND	120	60	80	210	210	175	55	120	95	195	130	70	90	40	100	95	65	110	50	100	60	60	40	80	70	75	95	120	90	35		2895
Edgeley Exp. Farm	EVAP	-	.23	.20	*	.51	.29	.36	*	.43	.26	.04	.10	.06	.04	.14	.00	.05	.10	.10	.13	.00	.10	.14	.14	.14	.18	.21	.03	.28	.02		4.43B
	WIND	-	80	7	129	39	141	12	99	26	145	115	61	33	33	29	30	13	49	48	18	158	80	*	10	113	8	62	226	50	50		-
Mandan Exp. Station a	EVAP	.22	.19	.24	.22	.31	.27	.29	.25	.13	.08	.08	.08	.06	.08	*	*	.08	.07	.10	.06	.05	.09	.05	.12	.18	.15	.17	.18	.13	.07		4.00
	WIND	92	51	129	88	220	177	128	149	95	268	237	88	33	35	93	114	32	89	46	74	62	46	67	64	55	104	133	154	95	133		3151
Riverdale	EVAP	.22	.34	.31	.36	.49	.48	.38	.21	*	*	1.08	.04	.17	.17	.01	*	*	.10	.13	.10	.25	.05	.33	.07	.37	.13	.20	.26	.23	.13		6.61
	WIND	124	60	97	172	279	242	119	77	68	177	105	49	72	51	48	161	57	104	62	108	87	72	84	162	115	152	135	223	181	95		3538

a Pao 6 feet io diameter; 24 inches deep; in ground 20 inches.

Table 7

SNOWFALL AND SNOW ON GROUND

Station		Day of mooth																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aîmoot 7 SW	SNOWFALL																	T														
	SN ON GND																															
Beaoh	SNOWFALL																														4.0	
	SN ON GND																															
Bismarck WB AP	SNOWFALL																														T	
	SN ON GND																															
Dickiosoo CAA AP	SNOWFALL																													T	T	
	SN ON GND																															
Langdon Exp Farm	SNOWFALL																														T	
	SN ON GND																															
Marmarth	SNOWFALL																													1.0	T	
	SN ON GND																													T		
Medora T R N M P	SNOWFALL																											T			0.7	
	SN ON GND																															
Minot CAA AP	SNOWFALL																														T	
	SN ON GND																															
Pettibooe	SNOWFALL																			T												
	SN ON GND																															
Sharon	SNOWFALL																		T													
	SN ON GND																															
Velva	SNOWFALL																		T													
	SN ON GND																															
Wahpeton St School	SNOWFALL																		T													
	SN ON GND																															

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Adams 7 S	0022	Walsh	10	48 20	98 06			7A	Myron J. Bata	3
Alexander RR Station	0086	McKenzie	13	47 50	103 38	1200		8A	Arthur J. Bauman	3
Almont 7 SE	0136	Morton	4	46 43	101 39	2300	7P	7P	Rogan Rameiand	2 3 5 7
Alpha 1 S	0149	GeldenValley	7	46 37	103 49			7P	B. A. Bury	3
Ambrose	0169	Divide	12	48 58	103 28	2060		6P	Ronald L. Bamson	3
Amenia	0196	Cass	11	47 00	87 13	960	SS	8S	Virgil L. Geheke	2 3 5 7
Amidon	0209	Slope	1	46 30	103 19	2910	5P	5P	Tafield Zundel	2 3 4 5
Antler	0263	Bottineau	12	48 58	101 20	1540			W. N. Wegner	3 4
Arvilla State Park	0369	Grand Forks	10	47 56	97 30	960	6P	6P	Albert Thoren	2 3 5
Ashley	0382	McIntosh	8	46 02	99 22	2025	8A	8A	Soo Line Agent	2 3 4 5 7
Baldhill Dam	0450	Barnes	11	47 02	98 05	1300	8A	8A	F. A. Johnson	2 3 5
Balfour	0492	McHenry	12	47 57	100 32	1615		M1D	Raymond E. Meller	3 4
Balta	0500	Pierce	11	48 10	100 02			6P	Nick Schaan	3
Bantry	0516	McHenry	12	48 30	100 36			6P	Temple K. Roberte	3
Beach	0590	GeldenValley	7	46 55	104 01	2814	6P	6P	Luther Y. Hodgin	2 3 4 5 7
Belcourt Indian Wee.	0626	Rolette	9	48 50	99 45	1360	7P	7P	Turtle Mt. Ind. Ag.	2 3 4 5
Belfield	0639	Stark	4	46 52	103 11	2592	7P	7P	Carl Indergaard	2 3 5
Berthold	0729	Ward	12	48 19	101 44	2080		7P	Joseph S. Cox	3
Beulah	0766	Mercer	6	47 16	101 47	1780		7P	Knife Riv. Coal Co.	3 4
Bisbee	0796	Towner	2	48 37	99 22	1600	6P	6P	Roberi J. Krick	2 3 5
Bismarck WB City	0814	Burleigh	8	46 48	100 44	1670	5P	5P	U.S.Weather Bureau	2 3 5
Bismarck WB Airport	0819	Burleigh	8	46 46	100 45	1650	M1D	M1D	U.S.Weather Bureau	2 3 4 5 7
Bottineau	0941	Bottineau	12	48 50	100 27	1638	4P	4P	N.D. Scbl of Frstry	2 3 5
Boehelia	0961	Burke	12	48 48	102 15	1953	8A	8A	Felix L. Adams	2 3 5 7
Bowman Court House	0995	Bowman	3	46 11	103 23	2872	5P	5P	O. S. Book	2 3 4 5
Breien	1052	Morton	1	46 24	100 57	1720		M1D	Frank B. Potter	3 4
Butte	1225	McLean	12	47 50	100 40	1880	5P	5P	Art F. Petereon	2 3 5
Cando	1288	Towner	2	48 29	99 12				Harry B. Harrie	3 4
Carrington	1360	Foster	5	47 27	99 08	1579	7A	7A	Soo Line Agent	2 3 5
Carson	1365	Grant	4	46 25	101 34	2300		M1D	Vincent Muggli	3 4
Carson 2 SW	1370	Grant	4	46 23	101 35	2500	7P	7P	J. W. Evene	2 3 5 7
Cavalier Power Plant	1435	Pembina	9	48 48	97 38	894	5P	5P	T. M. Tboreteinson	2 3 5
Cenier	1456	Oliver	8	47 07	101 18	2100	7P	7P	Fred L. Beinz	2 3 5 7
Colgate	1686	Steele	10	47 14	97 39	1180		6P	O. M. Jensen	3
Columbue	1896	Burke	12	48 54	102 47	1930		6P	J. O. Sundell	3
Cooperstown	1766	Griggs	11	47 26	98 07	1428	5P	5P	R. J. Lockner	2 3 5
Courtenay	1816	Stutsman	5	47 13	98 34	1523		6P	G. H. Hanneali	3
Crosby	1471	Divide	12	48 54	103 18	1954	7A	7A	Arenon V. Nicbole	2 3 4 5 7
Dawson	2018	Kidder	8	46 52	99 45	1730		M1D	Ralpb W. Wiee	3 4
Devils L-ke W3 City	2158	Ramsey	2	48 07	98 52	1471	M1D	M1D	U.S.Weaiher Sureau	2 3 4 5 7
Dickinson CAA AP	2183	Stark	4	46 48	102 48	2587	M1D	M1D	U.S.Civil Aero Adm	2 3 4 5 7
Dickinson Exp. Station	2188	Stark	4	46 53	102 48	2460	7A	7A	Leroy Moomae	2 3 5 6
Donnyhrook	2242	Ward	12	48 31	101 53	1760		6P	William Howman	3
Drake	2298	McHenry	12	47 55	100 22	1634	7A	7A	Paul Kuntz	2 3 5
Dunn Center	2365	Dunn	6	47 21	102 37	2191	6A	6A	Charles C. Neunstel	2 3 5 7
Dunseith St. Sanitarium	2385	Rolette	12	48 50	100 02	2001	5P	5P	N. D. State Hospital	2 3 5
Eakman	2472	Bottineau	12	48 39	101 03	1500	7A	7A	E. R. Sberman	2 3 5
Edgeley Exp. Farm	2482	La Moure	5	46 20	98 42	1568	8A	8A	N.O. Agri. Exp. Sta.	2 3 4 5 6 7
Edmore 1 W	2525	Ramsey	2	48 25	98 29	1524	8P	8P	Mike Oavie	2 3 5
Elbowoode	2570	McLean	8	47 35	102 09	2082	6P	6P	H. W. Caee	2 3 5
Elgin 5 R	2592	Grant	1	46 21	101 49			6P	Art A. Eslinger	3
Ellendale	2605	Dickey	5	46 00	98 31	1460	8P	8P	Paul Gress	2 3 5 7
Epping	2735	Williams	8	48 18	103 21	2224	6P	6P	T. Beachler	2 3 5
Esmond	2767	Benson	11	48 02	99 46	1630		M1D	Lyle O. Fering	3 4
Fairfield 8 N	2809	Billinge	7	47 19	103 12	2650		6P	Mre. Bdith Larson	3
Fargo WB Airport	2859	Cass	10	46 54	96 48	895	M1D	M1D	O S Weather Bureau	2 3 4 5 7
Casecenden	2949	Wells	5	47 39	99 37	1610	6P	6P	John W. Zuber	2 3 5 7
Flasher	3009	Morton	1	46 27	101 14	1930		8A	George M. Sinclair	3
Flaxton	3019	Burke	12	48 54	102 23	1940		6P	Palmer H. Ounham	3
Forman	3117	Sargent	10	46 06	97 38	1249	6P	6P	Ari Watermao	2 3 5 7
Fort Yatee	3207	Sioux	8	46 06	100 38	1840	SS	8R	Stand Rk Indian Agy	2 3 4 5 7
Foxholm Wildlife Refuge	3217	Ward	12	48 27	101 33	1609	5P	5P	O S Wildlife Refuge	2 3 5
Fryburg	3277	Billings	4	46 53	103 18	2790		7A	Hermao J. May	3 4
Fullerton	3287	Dickey	5	46 10	98 25	1439	6P	6P	F. O. Alin	2 3 5
Gackle	3309	Logan	5	46 38	99 08	1951	8P	6P	David R. Ramm	2 3 5
Garrison	3376	McLean	8	47 38	101 25	1911	M1D	M1D	George J. Mahowald	2 3 5
Gladstone 22 N	3446	Dunn	6	47 11	102 39				Richard Bailey	3 4
Glen Ollin	3496	Morton	4	46 49	101 49	2090		M1D	Louie N. Gauer	3 4
Golva 1 SE	3556	GeldenValley	7	46 47	103 57	2780		M1D	U.S.Civil Aero Adm	3 4
Grafton State School	3594	Walsh	10	48 25	97 26	827	5P	5P	Dr. J. C. Lamont	2 3 5 7
Grand Forks CAA AP	3616	Grand Forks	10	47 56	97 05	834	M1D	M1D	O S Civil Aero Adm	2 3 4 5 7
Grand Forks University	3621	Grand Forks	10	47 55	97 05	830	M1D	7P	University of N. O.	2 3 5
Grano	3676	Renville	12	48 37	101 35	1625		M1D	Robert J. Decker	3 4
Granville	3686	McHenry	12	48 16	100 51	1504	7P	7P	Fred Bohle	2 3 5
Grassy Butte	3696	McKenzie	7	47 24	103 14	2660			Sam Charchecoko	3 4
Grenora	3736	Williams	8	48 37	103 56	2114	5P	5P	L. O. Nielson	2 3 5
Hailey	3836	Bowman	3	48 58	103 08				J. E. Crasford	3 4
Halliday	3846	Dunn	6	47 21	102 20	2073		6P	John Eisee	3 4
Hankinson RR Station	3908	Richland	10	46 04	96 54	1068	7A	7A	Soo Line Agent	2 3 5
Hannaford	3926	Griggs	11	47 18	98 12	1428		M1D	Helen Seneon	3 4
Hannah	3936	Cavalier	9	48 59	98 41	1570	6P	6P	O S Customs Office	2 3 5
Hansboro	3963	Towner	9	48 57	99 23	1597	7P	7P	W. B. Oieber	2 3 5
Harvey Water Works	4013	Wells	11	47 45	99 53	1596		6P	H. J. Reynolds	3
Haynes 6 NE	4073	Adams	1	46 01	102 24	2640		M1D	Byron B. Bobh	3 4
Hazelton RR Station	4083	Emmons	8	46 29	100 17	1978		M1D	Ephrain Zacher	3 4
Bettinger	4178	Adams	3	46 00	102 38	2680	8P	6P	Gerhard Christianeon	2 3 4 5 7
Billeboro	4203	Traill	10	47 24	87 04	901	6P	6P	Alfred Jabnke	2 3 5
Murdefield	4343	Welle	5	47 27	99 55	1915		M1D	Mre. Ruth Bucheitz	3 4
Jamestown CAA AP	4413	Stutsman	5	46 55	88 41	1497	M1D	M1D	U S Civil Aero Adm	2 3 4 5 7
Jamestown State Bospital	4418	Stutsman	5	46 53	98 40	1457	7P	7P	N.O. State Hospital	2 3 5
Kenmare	4646	Ward	12	48 40	102 05	1800	8A	8A	Theo B. Eckberg	2 3 4 5
Kensal Wildlife Refuge	4650	Stutsman	5	47 13	98 52	1440	7P	7P	U S Wildlife Refuge	2 3 5
Killdeer 8 NW	4726	Dunn	7	47 26	102 53	2240		7A	Leonzrd J. Davis	3
Kramer 5 RE	4823	Bottineau	12	48 39	100 37			M1D	Paul A. Kretschmar	3 4
La Moure	4937	La Moure	5	46 21	98 18	1382	7P	7P	Andree Remick	2 3 5
Langdon Exp. Farm	4958	Cavalier	9	48 45	98 21	1815	5P	5P	V. Sturlaugeon	2 3 5 7
Laneford	5002	Bottineau	12	48 38	101 22	1600		6P	C. L. McKeen	3
Larimore	5013	Grand Forke	10	47 54	97 38	1134	7P	7P	Elsm Peterson	2 3 5
Laeda	5075	Benson	2	48 17	99 26	1515	7P	7P	John Fager	2 3 5
Lafor 10 E	5088	Rtark	4	46 38	102 21	2580		5P	Joseph Link	3
Linton	5210	Emmone	8	46 16	100 14	1711	8P	8P	William Seyerman	2 3 5 7
Lisbon	5220	Ranson	11	46 26	87 41	1091	7A	7A	Robert M. Jodeaas	2 3 5 7
Maddock Agri. Rchool	5434	Benson	11	47 58	99 30	1804	6P	6P	Benson Cy Agr Schl	2 3 5
Mandan Exp. Rtation	5479	Morton	4	46 48	100 54	1750	8A	8A	No G.P. Field Sta.	2 3 4 5 6
Mandan Ft. Lincoln Park	5484	Morton	R	46 47	100 52	1700	6P	6P	Park Supt.	2 3 5
Manning	5519	Dunn	6	47 14	102 46			6P	Miss Jeanette Oawea	3
Marmarth	5573	Slope	7	46 18	103 55	2714	6P	6P	S. P. Grane	2 3 5 7
Marmarth M O O Co.	5575	Slope	7	46 18	103 55	2710			B. S. Jesinee	3 4
Martin	5610	Rheridan	11	47 50	100 07	1610		6P	John W. Magnueon	3
Max	5838	McLean	8	47 49	101 17	2083	7A	7A	Roo Line Agent	2 3 5
Mayville	5860	Traill	10	47 30	97 18	875	8P	6P	H. A. Ragaz	2 3 5 7
McClusky	5710	Sheridan	8	47 29	100 29	1943	11A	11A	Elmer L. Rchielke	2 3 5 7
McGregor RR Rtation	5720	Williams	8	48 38	102 56			M1D	Martvin Hermaneon	3 4
McHenry 5 N	5730	Eddy	11	47 38	98 35	1509	5P	8P	C. E. Blaeky	2 3 5 7
McLeod 3 E	5754	Richland	11	46 24	97 14	1075	7P	7P	J. G. Carlson	2 3 5
McWille	5764	Nelson	10	47 48	98 11	1467		6P	H. 8. Kniefel	3
Medina 1 W	5798	Rtuteman	8	46 53	99 19			6P	Rudolpb Graf	3
Medora TRUMP	5813	Billinge	7	46 58	103 30	2250	5P	5P	O R Foreet Service	2 3 5 7
Melville	5833	Foster	5	47 20	89 02	1825		M1D	Edgar R. Rtegmeier	3 4
Minot CAA AP	5988	Ward	12	48 15	101 17	1724	M1D	M1D	O R Civil Aero Adm	2 3 4 5 7
Minot Exp. Farm	5993	Ward	12	48 10	101 18	1720	6P	8P	N C Agri Exp Rta	2 3 5
Moffit RR Rtation	6015	Burleigh	8	46 41	100 18	1760		9A	Soo Line Agent	3
Mohall	6025	Renville	12	48 46	101 31	1639	9P	9P	Iver Johneon	2 3 5 7
Montpelier	6105	Stutsman	5	48 42	88 35			8A	Rolf Haneon	3
Mott	6155	Hettinger	1	48 23	102 20	2420	RR	RS	Forreet E. Coffing	2 3 4 5 7

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Munich 4 SE	6195	Cavalier	2	48 38	98 53	1598	7P	7P	Narold Feldner	2 3 5
Napoleon 1 SE	6255	Logan	8	46 28	99 45	1955	7P	7P	Gladye J. Peterson	2 3 4 5 7
Nee England	6315	Hettinger	1	46 33	102 52	2621	5P	5P	Adoa S. Hatch	2 3 5
New Rockford	6350	Eddy	5	47 41	99 08	1555		SS	Valentine A. Rinder	3
New Rockford 6 NW	6355	Eddy	5	47 44	99 15	1550		6P	Richard Steinbach	3
New Salem 1 S	6365	Morton	4	46 50	101 25	2163	6P	6P	William F. Graebe	2 3 5
Noonan	6455	Divide	12	48 53	103 01	1960		6P	George Kostek	3
Northgate	6535	Burke	12	49 00	102 16	1850			U S Customs Station	3 4
Oakee	6620	Dickey	5	46 08	98 05	1320	8A	8A	C. W. Hagen	2 3 4 5
Park River	6857	Walsh	10	48 23	97 45	998	5P	5P	Martin Severeon	2 3 5
Parshall	6867	Mountrail	8	47 57	102 08	1929	6P	6P	C. E. Shubert	2 3 5 7
Peshina CAA AP	6947	Peshina	10	48 57	87 15	792	M1D	M1D	U S Civil Aero Adm	2 3 4 5 7
Petersburg	7027	Nelson	10	48 01	98 00	1524	7P	7P	T. C. Dverlaod	2 3 5 7
Pelthone	7047	Eidder	8	47 07	99 31	1860	7P	7P	L. H. Dethloff	2 3 5 7
Portal	7201	Burke	12	49 00	102 33	1854	9A	8A	U S Custome Ser.	2 3 5 7
Powers Lake 1 N	7281	Burke	8	48 34	102 38	2205	7P	7P	Barbert J. Clark	2 3 5 7
Pretty Rock	7311	Grant	1	46 11	101 51			6P	Freda Leer	3
Raub	7405	McLean	8	47 44	102 04			M1D	Alvin Larson	3 4
Reeder	7450	Adams	3	46 06	102 57	2810		6P	Henry A. Donner	3
Reeder 14 N	7452	Slope	1	46 19	102 57	2860		8A	Chas. M. Metzinger	3
Richardton Abbey	7530	Stark	4	46 53	102 19	2467	5P	5P	Assumption Abbey	2 3 4 5 7
Riverdale	7585	McLean	8	47 30	101 24	1910	5P	5P	Corps of Engineere	2 3 4 5 6 7
Rolette	7655	Rolette	12	48 40	99 50	1625	M1D	M1D	George F. Gehree	3 4
Rolla	7664	Rolette	9	48 52	99 37	1860	7P	7P	Theo 8. Fagerlund	2 3 5 7
Rugby	7704	Pierce	12	48 22	100 00	1560	6P	6P	Frank Hornstein	2 3 5 7
Ryder	7749	Ward	8	47 55	101 40	2108		9A	S. C. Scheilenbaum	3 4
Sanieh	7834	Mountrail	8	47 59	102 32	1835	7A	7A	H. J. Sugge	2 3 5
Sarles	7944	Cavalier	9	48 57	99 00	1585		M1D	Clarence J. Olsoo	3 4
Selfridge 11 W	7952	Sioux	8	46 01	101 10	2183		7P	L. E. Wileon	3
Sharon	7986	Steele	10	47 36	97 54	1516	8P	8P	Hugb Lyon	2 3 5 7
Sherwood	8047	Renville	12	49 00	101 38	1647		6P	U S Customs Service	3
Sheyenne	8057	Eddy	11	47 50	99 07	1500		M1D	Pehr A. Peterson	3 4
Shield	8065	Grant	1	46 14	101 07			6P	Edein O. Carleon	3
Stanley	8276	Mountrail	8	48 19	102 24	2260	7P	7P	Leroy Edeards	2 3 4 5 7
Steele	8366	Kidder	8	46 51	99 55	1857	8P	8P	Leon V. Lesher	2 3 5 7
Tague	8627	Mounirall	12	48 20	101 56	2179		6P	George N. Pilgard	3
Tioga	8737	Williams	8	48 24	102 56	2279		6P	L. A. Simon	3
Tolley 4 NB	8764	Renville	12	48 46	101 47			6P	Carmie Nelson	3
Toener	8792	McHenry	12	48 21	100 24	1482	7P	7P	August B. Rieder	2 3 5
Trotters	8807	GeldenValley	13	47 20	103 54	2419		5P	Walter Grunewald	3
Trottere Gen. Store	8812	GoldenValley	13	47 20	103 54	2420		M1O	Bugene A. Russell	3 4
Turtle Lake	8840	McLean	8	47 31	100 53	1899	7P	7P	Art Klungtvedt	2 3 5
Tuttle 8 SW	8850	Kidder	8	47 02	100 04	1936		6P	Adam Leno	3
Underwood 12 W	8877	McLean	8	47 26	101 24	1750	6P	6P	Mrs. F. W. Mattoon	2 3 5
Upham Wildlife Refuge	8913	McHenry	12	48 37	100 44	1425	5P	5P	U S Wildlife Refuge	2 3 5 7
Valley City	8937	Barnes	11	46 55	98 00	1229	6P	6P	Miss 1.C.Roberteon	2 3 5
Van Book	8970	Mountrail	8	47 57	102 21	1864	9P	9P	Erwin A. Ventsch	2 3 5
Velva	8990	McHenry	12	48 03	100 55	1511	6P	6P	Oscar Anderson	2 3 5 7
Verona	9035	La Moure	5	46 22	98 04			10A	Louis J. Frandson	3
Wahpeton Power Plant	9095	Richland	10	46 17	96 36	962		M1D	Victor Burton	3 4
Wahpeton State School	9100	Richland	10	46 16	98 36	962	5P	5P	St Rch of Rcience	2 3 5 7
Walhalla	9155	Peshina	9	48 56	97 54	950		7P	Joseph A. Meoier	3
Washburn	9195	McLean	8	47 17	101 02	1731	6P	6P	Fred F. Jefferis	2 3 5
Washburn Water Worke	9205	McLean	8	47 17	101 02	1730			Washburn Water Wks	3 4
Watauga 8 N, S. Dak.	9219	Grant	1	46 02	101 34			6P	John C. Rpicer	3
Watford City	9233	McKenzie	8	47 48	103 17	2084	8P	8P	J. C. Zeller	2 3 5 7
Westhope	9333	Bottineau	12	48 55	101 01	1502	6P	6P	Rev. R. Carey	2 3 5
Wildrose	9400	Williams	8	48 33	103 10	2258		6P	Jonathan Winkjer	3
Williston WB City	9425	Williams	8	48 09	103 35	1477	M1O	M1D	U S Weather Bureau	2 3 4 5 7
Willoe City	9445	Bottineau	12	40 36	100 17	1471	8P	8P	O. M. Sandereon	2 3 5
Wilton RR Station	9455	McLean	8	47 09	100 48	2159	8A	8A	Soo Line Agent	2 3 5
Wisbek	9515	McIntosb	8	46 16	99 34	2010	8A	8A	H. M. Larson	2 3 5
Zahl	9635	Williams	8	48 34	103 41	2000		6P	Ola Severteen	3

NEW STATIONS

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Boebelle 5 E	0966	Ward	12	48 47	102 08	1925	8A	8A	Ovelopment Farm	2 3 5 6 7
Glen Ollin 18 N	3501	Mercer	6	47 04	101 47			6P	Adam M. Reier	3
Golden Valley 10 S	3529	Mercer	6	47 10	102 03			6P	Rohert H. Backfisch	3
Grassy Butte 10 N	3701	McKenzie	7	47 31	103 14			6P	Edsel G. Crist	3
Keene	4571	McKenzie	8	48 00	102 55			6P	Donald M. Lund	3
Watford City 11 B	9238	McKenzie	8	47 47	103 02			M1O	Ida Peterson	3 4

‡ Drainage Code: 1. Cannonball 2. Devils Lake 3. Grand 4. Beart 5. James 6. Knife 7. Little Missouri 8. Missouri 9. Pembina 10. Red 11. Sheyenne 12. Rouris 13. Yellowetone

REFERENCE NOTES

Tbe four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers witbin a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in tbe June and Decembher issues of this hulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this hulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to he included in this issue.

Unless otherwise indicated, dimensional units used in this hulletin are: temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown hy footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Tahle 4 are from recording gages. Traces are not shown.

Amounts in Tahle 3 are from non-recording gages, unless otherwise indicated.

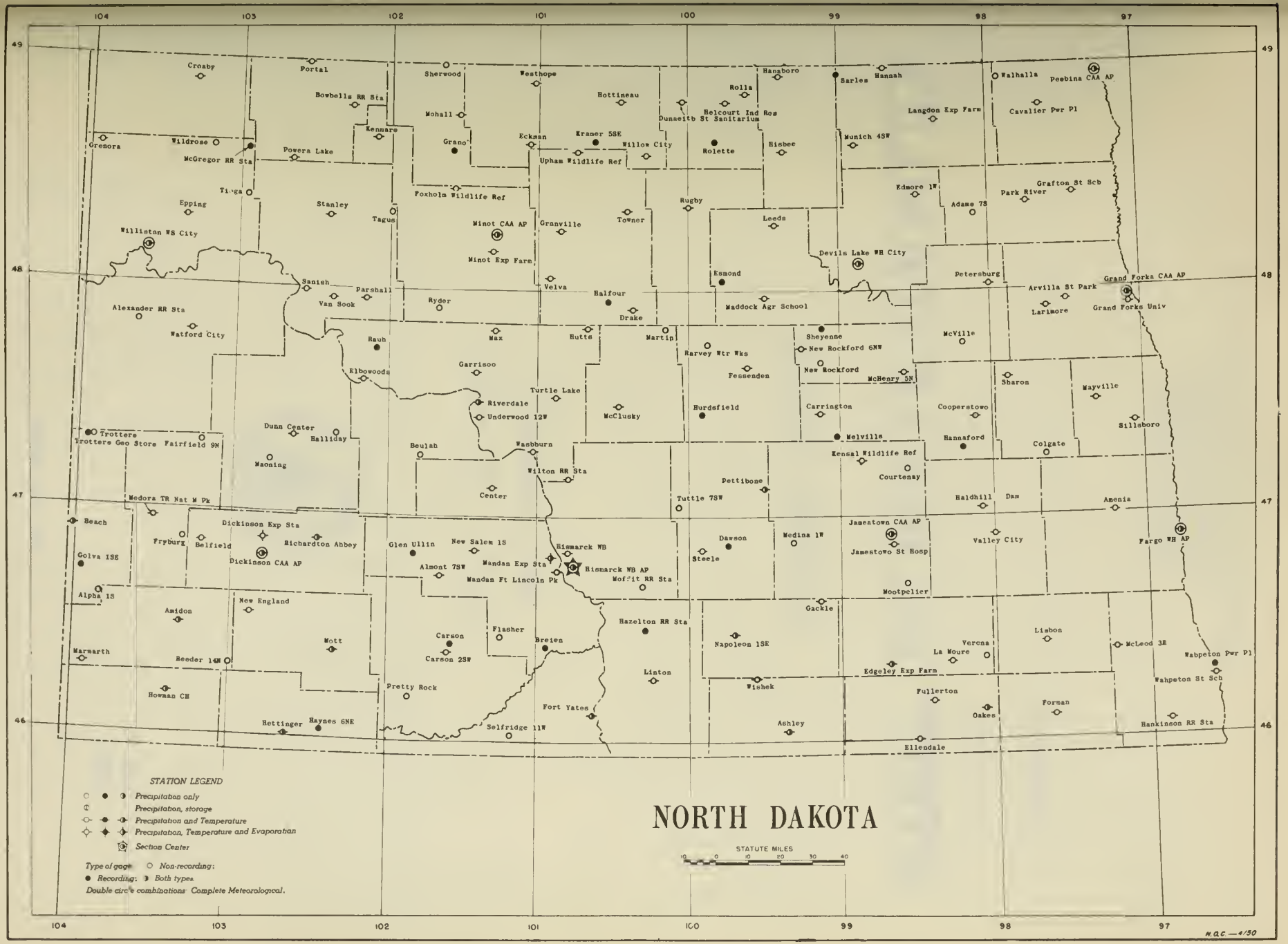
Data in Tahles 3, 5, 6, and snowfall data in Tahle 7 are for the 24 hours ending at time of ohservation. See the Station Index for observation time.

Snow on ground in Tahle 7 is at ohservation time for all except Weather Bureau and CAA stations. For tbese stations snow on ground values are at 1830 CST.

-	No record in Tables 3, 4, 6, 7, and the Station Index. No record in Tahles 2 and 5 is indicated hy no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Tahle 4.
+	And also on a later date or dates.
*	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
6	Station not equipped with a recording gage. See Tahle 4 for 6-bourly measured amounts.
B	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have heen adjusted to represent the value for tbe full month.
R	Daily values and monthly total from recording gage. All other data in Table 3 are from non-recording gages.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
SS	This entry in time of observation column in Station Index means ohservation made near sunset.

Subscription Price: 15 cents per copy; montbly and annual, $1.50 per year. (Yearly suhscription includes the Annual Summary.) Checks, postal notes and money orders should he made payahle to the Treasurer of the United States. Remittances and correspondence regarding suhscriptions should he sent to the Weather Records Processing Center, 804 Fidelity Building, Kansas City 6, Missouri.

W.B.O., Kansas City, Mo. -- 11-9-50 -- 1070


NORTH DAKOTA
STATION LEGEND
Precipitation only
Precipitation, storage
Precipitation and Temperature
Precipitation, Temperature and Evaporation
Section Center
Type of gage: ○ Non-recording; ● Recording; ◑ Both types
Double circle combinations Complete Meteorological.
STATUTE MILES
10 0 10 20 30 40
104 103 102 101 100 99 98 97
49 48 47 46
Crosby
Portal
Sherwood
Westhope
Hansboro
Sarles
Hannah
Walhalla
Pembina CAA AP
Bowbells RR Sta
Hottineau
Rolla
Dunseith St Sanitarium
Helcourt Ind Ros
Langdon Exp Farm
Cavalier Pwr Pl
Kenmare
Mohall
Grano
Eckman
Kramer 5SE
Willow City
Rolette
Bisbee
Munich 4SW
Grenora
Wildrose
McGregor RR Sta
Powera Lake
Upham Wildlife Ref
Tioga
Foxholm Wildlife Ref
Edmore 1W
Grafton St Scb
Park River
Adams 7S
Epping
Stanley
Tagus
Rugby
Minot CAA AP
Granville
Towner
Leeds
Minot Exp Farm
Devils Lake WH City
Williston WS City
Sanish
Parshall
Velva
Esmond
Petersburg
Arvilla St Park
Grand Forks CAA AP
Van Nook
Halfour
Drake
Maddock Agr School
Larimore
Grand Forks Univ
Alexander RR Sta
Watford City
Ryder
Raub
Max
Hutts
Martin
Sheyenne
McVille
Harvey Wtr Wks
New Rockford 6NW
Elbowoods
Garrison
Fessenden
New Rockford
McHenry 5N
Sharon
Wayville
Turtle Lake
Riverdale
Underwood 12W
McClusky
Hurdsfield
Carrington
Cooperstown
Sillsboro
Trottere
Trottere Geo Store
Fairfield 9N
Dunn Center
Halliday
Beulah
Washburn
Melville
Hannaford
Colgate
Kensal Wildlife Ref
Maoning
Wilton RR Sta
Courtenay
Pettibone
Center
Tuttle 7SW
Haldhill Dam
Amenia
Medora TR Nat M Pk
Beach
Dickinson Exp Sta
Frybrg
Belfield
Richardton Abbey
Dickinson CAA AP
Glen Ullin
New Salem 1S
Bismarck WB
Bismarck WB AP
Mandan Exp Sta
Mandan Ft Lincoln Pk
Moffit RR Sta
Dawson
Steele
Wedina 1W
Jamestown CAA AP
Jamestown St Hosp
Valley City
Fargo WH AP
Golva 1SE
Almont 7SW
Alpha 1S
Amidon
New England
Mott
Carson
Carson 2SW
Flasher
Breien
Hazelton RR Sta
Napoleon 1SE
Gackle
Mootpelier
Lisbon
Verona
La Moure
McLeod 3E
Wahpeton Pwr Pl
Wahpeton St Sch
Marmarth
Reeder 1W
Howman CH
Pretty Rock
Linton
Wishek
Edgeley Exp Farm
Fullerton
Oakes
Forman
Hettinger
Haynes 6NE
Fort Yates
Selfridge 11W
Ashley
Hankinson RR Sta
Ellendale
N.O.C.—4/50

1.05
NT
9'0

Nat. Hist

MAR 1951

U. S. DEPARTMENT OF COMMERCE
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CLIMATOLOGICAL DATA

NORTH DAKOTA

OCTOBER 1950
Volume LIX No. 10

NAT.
HIST.

KANSAS CITY: 1950

NORTH DAKOTA - OCTOBER, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

October 1950 opened with record snowfalls in some parts of the state to further hamper harvest operations. However, after the first week, temperatures averaged above normal, precipitation averaged below normal, and farming operations made excellent progress. Record high temperatures were recorded at many points in the closing days of the month.

The mean temperature for the state was 46.9° which is 2.9° above normal. The eastern division recorded a mean temperature of 46.9° which is 2.5° above normal for that part of the state. The middle division was slightly warmer with a temperature of 47.0° or 3.3° above their normal. The western division, with a temperature of 46.8°, was 2.8° above the normal. Every station in the state reported above-normal temperatures. The highest temperature for the state was 88° at Fort Yates on the 31st. The lowest temperature was 17° at Lisbon, Belcourt, and Hansboro on the 25th. The 3rd-4th was another general cold period when temperatures dipped to near 20° at most stations. Temperatures in general averaged considerably below normal during the first week and much above normal towards the end of the month. Several stations reported the highest temperatures at the end of the month that had ever been recorded so late in the season.

Precipitation for the month was considerably below normal. The average for the state was 0.63 inch which is 0.41 inch below the normal. The eastern division with 0.70 inch was 0.58 inch below normal. The middle division was 0.45 inch below normal with an average of 0.53 inch, and the western division recorded 0.65 inch for a deficiency of 0.19 inch.

Snowfall was general throughout the state on the 1st, 2nd and 3rd. The average for the state was 3.1 inches, which is about two inches above the normal for the month. Snowfall as high as 12 inches was reported 14 miles north of Reeder and a considerable number of stations recorded from 6 to 9 inches of snow. Pretty Rock reported the greatest depth of snow on the ground on the 3rd with 7 inches.

Harvest and threshing was at a standstill during the first week or so after rain, and heavy wet snow soaked the grain again on the 2nd. The weather was cool at this time and the grain was slow to dry out. Relatively little was accomplished before the middle of the month. With above-normal temperatures and below-normal precipitation setting in after the first week, conditions became more and more favorable. Essentially all harvesting and threshing was finished by the end of the month. Moisture content of threshed grain continued to be high far into the month. Satisfactory levels of moisture had been attained by the last ten days of the month. Apparently there was not much grain that sprouted in the swath probably because of the cool weather. However, wheat suffered loss in color and test weight due to the unfavorable weather. Some sugar beet lifting remained to be done in the Red River Valley at the close of the month.

About a normal amount of fall plowing was done over the state. Topsoil and subsoil moisture were reported generally good over all areas with some tendency to only fair in a few sections of the southeast portion. Seeding of fall rye was near normal and apparently was showing good stands. Livestock were in generally good condition with no losses reported from the heavy snowfall early in the month.--CJS

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ACKNOWLEDGMENTS

In addition to tbe climatological data from some 6,000 Weather Bureau and cooperntive weather etations, thie bulletin seriee contains recorde from Bydroclimatic Network Stations which were formsrly reproduced in tbe Bydrologic Bulletin Seriee. The Bydroclimatic Network ie a nationwide net of rain gagee --moetly of the recording type which produce continuous recorde of precipitation. It wae eetabliehed in 1939 at the requeet of tbe Corps of Engineere, Department of the Army, to supplement exieting precipitation stations in order to provide records of rainfall intensity whicb were eseential to the planning of flood control and related works by tbs Corpe of Engineere. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gagee, bas been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineere. These transfere averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the yeare 1940-42, the Department of Agriculture tranefsrred about $100,000 per year to provide data required in ite work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increaeing neede of their program fn tbe Weetern States.

Previoue to tbe introduction of tbie bulletin series, data from Bydroclimatic Network etatione were preeentsd in bulletine (Bydrologic Bulletins) which were ieeued monthly for eacb of 8 drainage areae embracing tbs entire United Statee, but since the Network wae eetabliehed to meet tbe internal requirements of the Federal agenciee referred to above, no provision wae made for public diseemination of tbe data, distribution being limited to cooperating agenciee and to csrtain public repoeitories. A liet of locatione where reference copiee of tbe Bydrologic Bulletin Seriss are available for inspection may be obtained upon application to Cbief, U. S. Weather Bureau, Washington 25, D. C.

Many other rscords published in tbis bulletin bave been made available througb the cooperation of various public offices, private agenciee, and individuale as listed in the Station Index.

SUPPLEMENTAL DATA

NORTH DAKOTA
OCTOBER 1950

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01–.09	.10–.49	.50–.99	1.00–1.99	2.00 and over	Total			
Bismarck WB Airport	WNW	13	9.6	45	SE	27	79	84	54	58	6	5	3	0	0	0	14	56	6.4	See Table 2
Devils Lake WB City	-	-	8.9	26	W	11	-	-	-	-	8	1	1	0	0	0	10	57	6.1	
Fargo WB Airport	SSE	18	13.7	43	NW	11	76	83	57	62	9	3	2	0	0	0	14	50	6.0	
Williston WB City	-	-	7.0	35	W	23	74	81	53	53	9	1	2	0	0	0	12	54	7.9	

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	47.2	95	7	0.58	T	3	1914	50.0	97	0	0.93	T	4	1936	42.3	90	- 5	0.21	1.1	3
1893	40.6	79	0	1.05	0.9	5	1915	46.6	87	10	1.09	0.2	4	1937	43.9	94	1	0.80	0.2	4
1894	43.0	77	16	1.66	0	6	1916	40.0	85	- 2	0.70	2.0	4	1938	50.9	95	4	0.55	1.1	4
1895	40.5	85	-12	0.24	0	2	1917	34.7	82	- 4	0.78	6.4	5	1939	41.3	84	- 6	0.75	1.2	7
1896	40.2	88	5	0.69	0	3	1918	46.2	90	4	0.53	0.8	4	1940	50.7	89	18	1.56	T	6
1897	45.9	93	6	0.77	0.8	4	1919	33.5	84	-18	1.14	9.3	6	1941	44.5	81	0	1.32	2.0	5
1898	38.8	84	8	2.23	4.7	6	1920	49.3	95	6	0.55	0.1	3	1942	46.5	90	- 3	0.46	1.8	4
1899	42.1	86	7	1.17	1.3	5	1921	47.3	88	16	0.66	T	4	1943	48.2	89	10	0.76	2.8	3
1900	48.2	87	14	1.54	T	6	1922	45.7	98	8	0.58	2.3	3	1944	48.7	84	11	0.12	T	1
1901	47.5	88	11	1.61	T	5	1923	44.0	84	- 8	0.89	0.5	4	1945	45.1	89	6	0.37	T	3
1902	43.7	87	10	1.28	0.7	4	1924	50.3	86	19	2.42	0.3	7	1946	40.1	91	2	2.23	8.5	8
1903	47.0	81	11	0.94	0.2	3	1925	33.3	66	-16	0.81	3.7	6	1947	51.2	97	15	1.31	0.9	7
1904	46.6	87	10	0.90	T	5	1926	42.6	85	4	1.36	1.0	6	1948	46.4	85	- 1	0.97	T	3
1905	40.3	93	0	0.36	1.2	5	1927	47.0	88	12	1.33	1.0	5	1949	43.5	91	8	2.55	1.4	9
1906	45.0	89	0	0.49	1.4	4	1928	43.5	85	3	0.46	0.6	2	1950	46.9	88	17	0.63	3.1	4
1907	44.4	88	4	0.61	0.2	3	1929	46.8	88	10	1.85	5.1	6							
1908	43.0	86	8	1.63	0.7	6	1930	40.8	86	0	1.81	0.3	7							
1909	43.1	97	0	0.65	0.9	3	1931	47.7	90	10	1.39	0.2	6							
1910	48.2	95	0	0.51	0.1	3	1932	38.3	90	- 3	2.27	9.1	8							
1911	42.5	86	-10	1.24	0.5	6	1933	41.5	88	5	0.54	1.7	4							
1912	44.4	90	0	1.07	3.5	4	1934	49.0	94	5	1.01	0.1	3	Period	44.3			1.03	1.5	
1913	39.3	90	- 2	1.59	0.7	4	1935	43.5	86	-10	0.16	0.7	2							

CLIMATOLOGICAL DATA

Table 2

Station	Temperature									Precipitation								
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																			
Amenia	48.3	3.6	81	29	19	25	511	0	7	.67	- .68	.41	2	T	0		4	1	0
Arvilla State Park	46.1		76	29	21	23	581	0	10	.55		.37	2				8	1	0
Baldhill Dam	47.3		86	30	20	3		0	14	.82		.65	2	1.5			3	1	0
Carrington	44.7		78	30	23	25		0	13	.65	- .38	.40	2	4.0	4	2	2	2	0
Cavalier Power Plant	45.9	2.9	74	29	22	25	578	0	12	.68	- .61	.40	2		T	2	5	1	0
Cooperstown					22	25		0	12	.41	- .67	.41	2	4.0	4	2	1	1	0
Devils Lake WB City	45.5	3.1	76	30	23	3	598	0	9	.48	- .77	.42	2	4.9	3	2	2	1	0
Edgeley Exp Farm	46.2		81	30+	20	25		0	18	.43	- .59	.19	2	1.5	0		4	0	0
Edmore 1 W	44.6	2.1	75	30	20	3+	625	0	13	.67	- .31	.45	2	5.0	2	2	6	1	0
Ellendale	49.8	3.9	82	29	24	23	464	0	7	.88	- .18	.43	2	1.0	0		6	1	0
Fargo WB AP //	47.5	3.0	78	29	21	25	536	0	8	.99	- .70	.48	2	1.0	0		5	2	0
Forman	49.4	3.4	85	30	23	25	475	0	10	1.18	- .17	.57	2	6.3	2	2.	4	2	0
Fullerton	49.6	4.3	81	29+	23	25	472	0	8	.95	- .38	.67	2	5.2			4	1	0
Gackle	47.9 M	2.5			26	3	525	0	9	.27	- .69	.18	2	3.0	0		3	0	0
Grafton State School	46.0	2.2	74	29	20	25	582	0	10	.62	- .52	.40	2	2.0			6	1	0
Grand Forks CAA AP //	46.2	2.5	77	29	23	25	575	0	10	.47	- .89	.31	2	2.7	T	2	6	1	0
Grand Forks Univ	46.9	3.2	77	29	24	25	555	0	9	1.05	- .31	.75	2	2.0			8	1	0
Hankinson R R Sta.	48.4	1.8	82	31	22	25		0	9	1.09	- .28	.87	2				3	1	0
Hannah	43.6	2.8	75	30	22	22	655	0	15	.67	- .40	.44	2	5.0	3	2	6	1	0
Hillsboro	46.3	1.1	79	29	18	25	570	0	9	.90	- .44	.37	2	2.0	0		6	1	0
Jamestown CAA AP //	47.2	2.5	81	30	20	25	542	0	12	.45	- .84	.30	2	3.5	T	2	3	1	0
Jamestown State Hosp.	48.1	3.4	79	29+	24	4+	519	0	8	.28	- 1.01	.20	2	4.0			2	0	0
Kensal Wildlife	46.6		80	29	21	25	562	0	16	.60		.32	2	2.0	0		3	1	0
La Moure	47.9 M						526												
Langdon Exp Farm	44.3	3.4	71	26+	23	22+	635	0	14	.73	- .30	.46	2	4.0	4	2	6	1	0
Lisbon	45.4	.7	82	31	17	25		0	19	1.07	- .17	.60	2				5	2	0
Mayville	47.2	1.2	78	29	20	25	546	0	8	.68	- .58	.36	2	2.0	T	2	6	1	0
Mc Henry 5 N	45.3	2.0	76	30	23	3+	603	0	11	.73	- .32	.24	1	2.0	1	2	8	0	0
Mc Leod 3 E	49.2 M	2.7	82	30	20	24	495	0	9	1.35	- .03	.80	2				4	2	0
Munich 4 SW	43.7		74	30	21	25	653	0	18	.61		.46	2	3.0	3	2	5	1	0
Oakes	47.9	1.9	83	31	21	25		0	12	1.10	- .21	.57	2	2.5	2	22	3	2	0

See reference notes following Station Index.

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
Park River	46.8	3.1	72	29	20	25	560	0	8	.38	- .80	.31	2	3.0	2	2	4	1	0
Petersburg	45.4		75	29	24	23+	600	0	12	.40	- .77	.20	2	4.2			5	0	0
Sharon	46.3	2.7	75	29	25	3+	572	0	8	.35	- .94	.35	2	2.0	2	2	1	1	0
Valley City	47.7	2.6	78	29	19	25	527	0	11	.53	- .79	.39	2	7.0			5	1	0
Wahpeton State School	50.2	3.2	79	30	26	25	452	0	6	.90	- .54	.42	1	7.0			5	2	0
DIVISION	46.9	2.5								.70	- .58			3.4					
MIDDLE DIVISION																			
Ashley //	48.8	4.4	86	30	20	27	498	0	10	.47	- .59	.25	2	1.5	1	2	4	1	0
Belcourt Indian	43.7		74	30	17	25	656	0	15	.32	.19	2		2.9	3	2	5	0	0
Bisbee	44.5 M	.7	75	30	21	2+	628	0	14	.45	- .54	.31	2	4.0	4	2	4	1	0
Bismarck WB City	50.1	4.9	81	29	29	4+	453	0	8	.53	- .38	.21	2	2.2	1	22	5	0	0
Bismarck WB AP	48.6	5.0	84	30	26	4	501	0	12	.59	- .35	.26	2	4.8	T	2	8	1	0
Bottineau	43.6		77	31	19	4		0	20	.42	- .55	.20	7	1.0	1	21	7	0	0
Butte	48.5	3.7	81	30	25	3	503	0	10	.51	- .46	.33	2	.0	0		3	1	0
Carson 2 SW	49.5 M	5.0	82	30	24	4	481	0	12	.67	- .24	.58	2	6.1	4	2	2	1	0
Center	47.5 M	2.2	80	29	20	26	541	0	18	1.02	.11	.50	2	5.0	5	2	4	2	0
Drake	45.9 M		82	31	23	3		0	14	.47	- .57	.37	2	1.5	0		2	1	0
Dunseith St Sanitarium	44.8	3.2	75	30	22	25	619	0	13	.30	- .56	.20	2	1.0	1	2	3	0	0
Fessenden	47.4	4.1	80	29	23	3	559	0	10	.53	- .53	.43	2	4.3	3	2	2	1	0
Fort Yates	51.0 M	4.3	88	31	25	4	458	0	8	.63	- .36	.30	2	4.0	T	2+	5	1	0
Foxholm Wildlife	47.3	4.4	82	30	22	25+	542	0	14	.23	- .65	.13	7	T	0		3	0	0
Garrison	46.4	3.2	79	30	25	2	569	0	15	.45	- .41	.28	2	.0	0		4	1	0
Granville	47.5 M	3.9	85	30	20	3	534	0	14	.33	- .51	.19	21	4.5	0		3	0	0
Hansboro	44.3 M	3.0	75	30	17	25	636	0	16	.29	- .75	.14	7	4.0	3	2	5	0	0
Leeds	45.7		78	30	21	3	590	0	13	.89		.62	2	7.0			4	1	0
Linton	50.5	5.0	86	30	21	4	443	0	10	.74	- .30	.27	2	.0	0		4	2	0
Maddock Agr School	45.6	2.1	78	30	21	3	595	0	15	.68	- .30	.53	2				5	1	0
Mandan Exp Station	47.9	3.2	82	31	25	4		0	12	.56	- .34	.22	2	5.8			5	0	0
Mandan Ft. Lincoln	50.4		84	30	27	3	446	0	12	.85		.52	2	7.0	5	2	4	1	0
Max	45.9	3.0	79	30+	21	3		0	15	.47	- .33			3.0	2	2	4		
Mc Clusky	47.3	3.9	79	30	22	3		0		.44	- .55	.34	2	3.0	3	2	3	1	0
Minot CAA AP //	46.8	3.0	80	30	24	2+	557	0	9	.24	- .67	.11	21	1.0	T	21	4	0	0
Minot Exp Farm	46.5		80	30	20	27	568	0	12	.32		.16	21	1.0	0		4	0	0
Mohall	45.7	3.5	77	30	24	3	592	0	13	.40	- .64	.16	21	T	0		3	0	0
Napoleon 1 SE	48.7	4.6	82	30	25	27	494	0	9	1.01	- .08	.43	2	5.0	1	2	5	1	0
New Salem 1 S	48.5 M	3.4	80	30	24	3	491	0	10	.64	- .21	.30	2	4.0	3	2	4	1	0
Pettibone	47.7	5.1	86	30	25	3+	531	0	11	.47	- .52	.29	2	3.5	1	2	4	1	0
Riverdale	47.8		80	30	24	3	527	0	13	.61		.37	2				4	1	0
Rolla	43.5	1.0	74	30	21	25	660	0	13	.61	- .36	.36	2	9.0			6	1	0
Rugby	47.2		80	30	23	3	547	0	13	.56	- .33	.25	2	3.0	3	2	5	1	0
Steele	47.2	3.1	83	30	23	3+	542	0	14	.70	- .42	.39	2	5.0	1	2	4	1	0
Towner	46.2 M	2.7	82	30	22	3+	569	0	20	.44	- .45	.44	2	4.0			1	1	0
Turtle Lake	47.2 M	3.1	80	30	23	3	547	0	15	.36	- .48	.20	2	2.0	0		5	0	0
Underwood 12 W	47.3	2.3	84	30	22	3	543	0	17	.55	- .28	.39	2	3.0	3	2	2	1	0
Upham Wildlife Re.	46.5		81	30	21	3	568	0	15										
Velva	47.1	2.8	83	30	25	3+	550	0	12	.68	- .27	.43	2	4.5	2	2	3	1	0
Washburn	49.9	4.9	80	29	28	4	461	0	10	.38	- .54	.23	2	3.0	3	2	3	0	0
Westhope	45.6	3.0	77	30	22	3	596	0	13	.34	- .46	.15	21	1.0	0		3	0	0
Willow City	45.0	3.5	82	30	18	25	614	0	16	.51	- .28	.24	6	3.3	T	2	6	0	0
Wilton R R Sta.	44.8	- .1	76	30+	23	4		0	15	.56	- .39	.28	2	.4	T	2	5	1	0
Wishek	46.4 M	2.4	83	31	22	4+		0		.41	- .52			.0	0		4		
DIVISION	47.0	3.3								.53	- .45			3.1					
WESTERN DIVISION																			
Almont 7 SW	49.3		81	30	25	4	479	0	10	1.14		.71	2	8.0	4	2	7	1	0
Amidon	48.9 M	3.9	76	30			490	0		.75	- .22	.40	2	5.0	2	2	3	1	0
Beach	47.9	3.4	77	29+	25	3	522	0	14	1.00	.10	.49	7	2.0	1	2	4	2	0
Belfield	46.8	1.1	77	12	23	4	558	0	12	1.07	.10	.39	2	4.0	4	2	4	3	0
Bowbells	44.6		76	31	22	3		0	15	.45	- .40	.20	7	.0	0		4	0	0
Bowbells 5 E	44.1 M		77	31	23	3		0	17	.34		.12	8	.6	1	21	5	0	0
Bowman Court House //	47.2	2.4	69	10	22	3	548	0	11	.69	- .19	.37	2	5.0	5	2	4	1	0
Crosby	44.5		73	31	22	3		0	13	.65	- .18	.33	7	1.0	1	21	3	1	0
Dickinson CAA AP	47.6	3.8	77	29	26	3+	534	0	13	.93	.02	.24	21	6.2	2	2	10	0	0
Dickinson Exp Sta.	46.6		78	30	23	4		0	18	.87	- .04	.39	2	6.5			8	1	0
Dunn Center	44.8		78	30	21	3+		0	25	.79	- .04	.25	1	2.5	3	2	5	1	0
Elbowoods	48.5 M	3.7	80	29			503	0	15	.23	- .57	.12	2	1.5	2	2	3	0	0
Epping	45.9	3.8	77	30	18	3	585	0	16	.32	- .45	.22	6	.0	0		3	0	0
Grenora	45.7 M	3.6			18	3	589	0	15	.46	- .33	.32	6	.5	0		3	1	0
Hettinger	53.0 M	6.9	79	13	23	3		0		.46	- .25	.46	2	4.0			1	1	0
Kenmare	45.6	2.1	76	31	23	3		0	12	.57	- .39	.20	7	1.0	0		5	0	0
Marmarth	48.0 M	2.0	76	12+	24	24+	520	0		1.10	.31	.42	2	5.0	1	1+	6	2	0
Medora T R N M P	47.7 M				19	4	530	0		.88		.24	2	2.0	2	2	5	0	0
Mott	48.2	3.8	78	12+	22	27	513	0	17	.72	- .11	.56	2	6.0	2	2	3	1	0
New England	48.2	4.1	78	29	24	3+	511	0	13	.76	- .03	.42	2	6.6	2	2	3	1	0
Parshall	46.4	2.0	81	30	19	3	570	0	19	.40	- .35	.11	7	T	0		6	0	0
Portal	45.1	3.6	77	31	21	3		0	14	.38	- .46	.18	21	3.0	3	21	3	0	0
Powers Lake 1 N	43.8 M	- .7	78	30	18	3	650	0		.40	- .65	.15	7	T	0		3	0	0
Richardton Abbey	49.5	4.9	78	29	26	4	475	0	9	1.00	.21	.57	2	6.7	2	2	4	1	0
Sanish	44.9	.7	80	31	20	3+		0	24	.55	- .22	.15	1+	T	0		7	0	0
Stanley	43.3		75	30	20	3	664	0	21	.66	- .18	.41	6	.0	0		4	1	0
Van Rook	46.7		81	30	19	27	559	0	16	.31		.12	21	2.1	0		5	0	0
Watford City	47.5	3.3	77	12+	22	4	536	0	15	.60	- .27	.20	6	T	0		5	0	0
Williston WB City	46.9	3.5	74	13	24	3	555	0	8	.44	- .42	.31	6	.1	0		3	1	0
DIVISION	46.8	2.8								.65	- .19			2.7					
STATE	46.9	2.9								.63	- .41			3.1					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA
OCTOBER 1950

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S		.40		T									.10						.06		T											.56
Alexander R R Sta.		.02				.19	.13														.14	.02									.50
Almont 7 SW	.01	.71				.01	*	.09			T			.15								.17									1.14
Alpha 1 S		.95	T			.08	.08														T	.24								T	1.35
Amenia	.24	.41				.01							.01																			.67
Amidon		.40				T	.15															.20									T	.75
Amidon R		.41					.16															.03										.80
Antler R						.03	.07															.12										.22
Arvilla St Pk	.03	.37				.04	.03						.03					T	.02		*	.03										.55
Ashley	T	.25					.12							.05								.05										.47
Ashley R	.01	.24					.15							.04								.05										.49
Baldhill Dam		.65																				.05						.12				.82
Balfour R	*	.38		.05	.07				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-
Balta		.29				.10														T												.39
Bantry	-	-	-					-														-										-
Beach		.25				.16	.49															.10						T				1.00
Beach R	.10	.16				.27	.40														.07	.05										1.05
Belcourt Indian Re		.19				.08							.02							.01	.02											.32
Belcourt Indian Re R	*	.18				.10															.02											.30
Belfield	T	.39	T				.27							.14								.27									T	1.07
Berthold		.02			.01	.03	.12														.13											.31
Beulah	.02	.41				.01	.15							.14								.04			T							.77
Beulah R	*	.41					.20							.14							.04	.02									.02	.83
Bisbee	T	.31		T	.08								.02					.04			T											.45
Bismarck WB City	T	.21				T	.11	.01		T				.02				T				.18										.53
Bismarck WB AP R	.01	.26	T			T	.11	T		T				.02	T						.03	.14					T	.01			.01	.59
Bottineau		.02	04		T	.05	.20								T				.02		.06	.03										.42
Bowbells	.08				T		.20	T										*			.09	.08										.45
Bowbells 5 E	.10			.02			.01	.12													.09											.34
Bowman Court House	.03	.37				T	.12						T									.17										.69
Bowman Court House R //	*	.40					.15						02								.14	.02									.02	.75
Breien R	.02	.39					.12							.08							.05	.08										.74
Butte		.33				T	.14														.04											.51
Cando R	.05	.50					.12																									.67
Carrington	.25	.40			T								T									T						T				.65
Carson R	*	.38					.06							.06							.05	.08										.63
Carson 2 SW		.58					T	T														.09										.67
Cavalier Pwr Pl		.40			.05	.01		.12											.10													.68
Center		.50					.35														.15	.02										1.02
Colgate	-	-											.04			.03												.13				-
Columbus						.21	.12														.17											.50
Cooperstown	.41												T					T			T		T									.41
Courtenay		.26				.10	.02																									.38
Crosby	.13						.33														.19	T										.65
Crosby R						.26	.07														.20											.53
Dawson R	.13	.10					.09									.04						.12										.48
Devils Lake WB City R	T	.42				.06	T			T			T					T			T		T					T				.48
Dickinson CAA AP	.22	.16	T			.04	.08						.02	.09						T	.24	.01			.01		T				.06	.93
Dickinson CAA AP R	*	.42				.03	.11						.03	.10							.19	.06			.01						.03	.98
Dickinson Exp Sta.	.03	.39	T	T	T		.13	.03						.09	.02						.01	.17										.87
Donnybrook					T	.05	.18														.09	.01										.33
Drake		.37					.10																T									.47
Dunn Center	.25	.24					.11	T							.14							.05										.79
Dunseith St Sanita	T	.20				T		.08					T							T	.02											.30
Edgeley Exp. Farm	.05	.16						.03														.19										.43
Edgeley Exp. Farm R		.21					.03															.18										.42
Edmore 1 W		.45			.04	.01	.11				T		.04			T			.02		T											.67
Elbowoods		.12					.10							T							.01				T							.23
Elgin 5 S	.01	.30			T	T	.02															.05										.38
Ellendale	.15	.43	.02				.09	T						.02								.17			T							.88
Epping						.22	.05														.05											.32
Esmond R		.40				.07	T														.03							.02				.52
Fairfield 8 N		.17				.29	.14							.20							.06											.86
Fargo WB AP R //	.41	.48			T	.08	.01	T		T			.01	T	T			T				T			T			T				.99
Fessenden		.43											T								.10											.53
Flasher		.50						.07														.14										.71
Flaxton						.04	.05														.35											.44
Forman	.35	.57				.13																.13										1.18
Fort Yates	.10	.30					.15							.06								.02										.63
Fort Yates R	*	.40					.13							.05								.03										.81
Foxholm Wildlife Ref		T			T	.02	.13															.08										.23
Fryburg R	.07	.14				.09	.21							.10							.09	.04										.74
Fullerton	.11	.67				T	.02							T								.15										.95
Gackle		.18					T	.03						T								.06						T				.27
Garrison	.04	.28				T	.10														.03	T			T			T		T		.45
Glen Ullin R	.03	.40					.13							.09							.11	.10				.03						.89
Golva 1 SE R	-	-	-	-	-	-	-	-	-	-											*	.23										-
Grafton St Sch	.12	.40			T	T	.03	.04					.01						.02			T										.62
Grand Forks CAA AP	.03	.31			T	.04		T					.05			T		.03	.01		T							T		T		.47
Grand Forks CAA AP R //	.03	.26				.04							.05					.04	.01													.43
Grand Forks Univ	.09	.75				.06	T	.01					.09	.01	T			T	.03		.01											1.05
Granville		.10				T	T												T		.19	.04										.33
Grassy Butte R	*	.20				.30	.23							.19							.09	.02										1.03
Grassy Butte 1 N	-	-				.05	.25							.13							.08	.04						.01				-
Grenora	T			T		.32	.03														.11											.46
Haley R	.47					.02	.09																								.04	.62
Halliday		.23				.05								.12								.04										.44
Halliday R	*	.25				.06	.15							.13							.02	.03										.64
Hankinson R R Sta	.18	.87	T																			T	.04									1.09
Hannaford R		.26																														.26
Hannah	T	.44			.06	.03	.06						T						.06		.02							T				.67
Hanshoro		.10			T	.01	.14						.01						.03					T								.29
Harvey Water Wks		.48				.02	.04			T					T			.04														.58
Haynes 6 NE R	*	.45					.04															.03									.02	.54
Hazelton R R Sta. R //	.12	.34					.38							.03								.13										1.00
Hettinger		.46							T	T																						.46
Hillsboro	.20	.37				.05	T	T					.03		.17						T							.08				.90
Hurdsfield R		-	-	-	-	-	-	-	-	-	-	-	-	-							.01	.07						.03				-
Jamestown CAA AP	T	.30				T	T		T				T	T		T						.11			T			.04				.45
Jamestown CAA AP R //	.02	.29						.02														.12										.45
Jamestown St Hosp		.20				T	T							T		T						.08			T			T				.28
Ksene		T					.31	.05													.12	.06										.54
Kenmare	.14						.20	.02														.08	.13									.57
Kenmare R			.03			.05	.17															.23										.48
Kensal Wildlife Ref	.23	.32				T																.05										.60
Killdeer 8 NW	.10	.14					.42	T					.32																			1.08
Kramer 5 SE R						.09	.07														-	-	-	-	-	-	-	-	-	-	-	-
La Moure	.07	.38			.01	T	.02															.16			-	-	-	-	-	-	-	-
Langdon Exp Farm		.46			.02	.02	.15						.02						.06													.73
Lansford						.05	.10																									.15
Leeds		.62				.10	.07														.10											.89
Lefor 10 E		.45				.01	.05							.05								.15										.71
Linton	.17	.27				T	.26															.04										.74
Lisbon	.25	.60	.05				.07															.10										1.07
Maddock Agr Sch	T	.53				.04	.02											T			.06							.03				.68

See reference notes following Station Index.

DAILY PRECIPITATION

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Mandan Exp Sta.		.22	T				.06	.11			T				.02	T						.15										.56
Mandan Exp Sta. R		.20					.17								.02						.05	.05										.49
Mandan Ft. Lincoln		.52				T	.12							.01								.20										.85
Marmarth	.09	.42				.04	.20						.02									.33										1.10
Marmarth M.D.U.Co. R		1.05					.25						.05								.21					.02				.06	1.84
Martin		.20				T														T											.20
Max		*	.33				.05	.09														T									.47
Mayville	.09	.36				.06	T						.03		.02						T						.12				.68
Mc Clusky		.34				.02	.08																								.44
Mc Gregor R R Sta.R						.26														.12											.38
Mc Henry 5 N	.24	.16				.08	.01						.03					.02	.15		.04	T									.73
Mc Leod 3 E	.38	.80																				.15				.02					1.35
Mc Ville	.15	.36				.08												.02			.04										.65
Medina 1 W	.25	.20				.02	.05															.15									.67
Medora T R N M P		.24				.12	.19						T	.19								.14								T	.88
Melville R	.20	.10				.03																									.33
Minot CAA AP		.02		T	T	.01	.10						T					T		T	.11	T			T			T			.24
Minot CAA AP R //		.06					.13														.09										.28
Minot Exp Fm		.05			T	T	.09						T					T			.16	T	.02								.32
Moffitt R R Sta.		.30					.11			T												.10				T					.51
Moball						.12	.12											T			.16	T									.40
Montpelier	.02	.37	T					T							T							.12						.03			.54
Mott		.56				.03																.13								T	.72
Mott R	*	.56					.04														.08	.07								.03	.78
Munich 4 SW		.46			.02	.08	.03		T				.02	T							T										.61
Napoleon 1 SE	.24	.43				T	.17							.02								.15						T			1.01
Napoleon 1 SE R	.22	.38					.14															.10									.84
New England	T	.42					.15														T	.19									.76
New Rockford		.40											.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Rockford 6 NW	T	.47				.10							.03						.02		.02				T			.03				.67
New Salem 1 S		.30				.03	.17															.14									.64
Noonan						.20	.05														.20										.45
Northgate R					.03	.10	.10														.12										.35
Oakes	.33	.57																				.20									1.10
Oakes R	*	1.02																				.17									1.19
Park River	.04	.31			.01	T							.02					T	T		T	T	T				T				.38
Parshall	.02	.10			.02	.06	.11											T			.09	T			T						.40
Pembina CAA AP R //		.35	.03		.08	.23												.09													.78
Petersburg		.20				.11	.02						.02						.05		T										.40
Pettibone	.14	.29				.02		T														.02									.47
Pettibone R	.14	.29				.02																		.10							.55
Portal	.05				T		.15	T										T	T		.18	T									.38
Powers Lake 1 N						.13	.15															.12									.40
Pretty Rock	.08	.25	.50	.17	.05	T	.03	T																				T			1.03
Raub R //		.10			.02	.18														.10											.40
Reeder		.50				T	.10														.08										.68
Reeder 14 N		.32				T	.12															.18									.62
Richardton Abbey	T	.57				T	.10				T			.10							T	.23			T						1.00
Richardton Abbey R	.22	.35					.10							.10								.22									.99
Riverdale	T	.37				T	.15							T							.04	.05			T			T		T	.61
Riverdale R		.39					.16														.05										.60
Rolette R		.28			.03	.07															.03										.41
Rolla		.36			.01	.11	.01						T				T	T	.07		.05		T								.61
Rugby	.05	.25				.08	.08			T											.10										.56
Ryder	*	.26			T		.15																								.41
Syder R	*	.26					.03	.12												.07											.48
Sanisb	.15	.03				.03	.12	.04													.03	.15						T			.55
Sarles R //	*	*	.67	.02			.09											.03													.81
Selfridge			.45				*	.10																						.01	.56
Sharon	T	.35	T								T		T		T						T										.35
Sherwood						.08	.09						T				T	.01			.12		T								.30
Sheyenne R		.36				.15												.03			.02		.04								.60
Shields	.04	.40					.06	T						.06								.10									.66
Stanley						.41	.12														.09	.04									.66
Stanley R						.41	.12														.12	.02									.67
Steele	.08	.38				T	.11			T												.12									.70
Tagus		T			.03	.05	.18						T				T	T			.10	.04			T						.40
Tioga						.10	.05														.10	T									.25
Tolley 4 NE						T	.25														.15										.40
Towner		.44																													.44
Trottere	.29			T		.03	.38						T	.21							.05		T				T				.86
Trottere 3 S	.02	.09				.29	.12							.18							.06										.76
Turtle Lake		.20					*	.12													.01	.03			T						.38
Tuttle 8 SW		.46				T	.16															.20									.82
Underwood 12 W		.38			T		.16							T							T	T			T						.55
Upham Wildlife Ref		-			T	.06	.09														.05	T									-
Valley City	.02	.39				.06							T									.05			T	T		.01			.53
Van Hook		.04		T		.08	.06											T			.12				.03						.31
Velva		.43			T	T	.16											T			.09	T									.68
Verona		.87					.15															.17									1.19
Wahpeton Pwr Pl R	.43	.54					.03															.10									1.10
Wahpeton St Sch	.42	.37				.02							.02									.07				T					.90
Walhalla		.46			.14	.16	.02												.11	T											.89
Wasbburn		.23				T	.10							T							T	.05									.38
Washburn Wtr Wks R		.31					.15															.05								.02	.53
Watauga S Dak 8 N	.05	*	.02				.11															.05									.23
Watford City R		.03				.20	.18														.16	.03									.60
Watford City 11 E		.05				.22	.24														.10	.03									.64
Westhope						.07	.12											T			.15										.34
Wildrose	.07					.17	.15														.16										.55
Williston WB City R		T		T		.31	.03			T							T	T		T	.10	T	T			T					.44
Willow City		.22			.01	.24	.01			T			T						.01		.02	T									.51
Wilton R R Sta.	.02	.28					.14								.06							.06						T			.56
Wisbek	*	.25					T	.12														.04					T	T		T	T	.41
Zahl						.32	.07														.15	T									.54

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA
OCTOBER 1950

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
														—1st—											
ASBLEY	//																								.01	.01
BALFOOR																									*	*
BEACB																						.02	.04	.03	.01	.10
BELCOURT INDIAN RES																				*	*	*	*	*	*	*
BEULAB																				*	*	*	*	*	*	*
BISMARCK WB AIRPORT																									.01	.01
BOWMAN COORT BOOSE	//												*	*	*	*	*	*	*	*	*	*	*	*	*	*
BREIEN																								.02		.02
CANDO															*	*	*	*	.05							.05
CARSON																						*	*	*	*	*
DAWSON			.02	.09	.02																					.13
DICKINSON CAA			.02															*	*	*	*	*	*	*	*	*
EDGELEY EXP FARM		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FARGO WB AIRPORT	//											.15	.12	.02	.10	.02										.41
FORT YATES			.06	.02	.02																				*	*
FRYBORG																						.02	.02	.01	.02	.07
GLADSTONE 22N		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GLEN ULLIN			.03																							.03
GOLVA 1 S E		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GRAND FORKS CAA	//								.01	.02																.03
GRANO	//	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GRASSY BUTTE																				*	*	*	*	*	*	*
HALEY							*	*	*	*	*	*	.47													.47
HALLIDAY																						*	*	*	*	*
HAYNES 6 NE																						*	*	*	*	*
HAZELTON R R STATION	//	.01	.03	.05	.02	.01																				.12
HETTINGER		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
JAMESTOWN CAA	//																								.02	.02
MARMARTH M D O CO									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MELVILLE				.10	.05	.05																				.20
MOTT																					*	*	*	*	*	*
NAPOLEON 1 SE			.07	.03	.07	.03	.01		.01																	.22
OAKES										.15	.06					.01				.01					*	*
PETTIBONE			.03	.06	.04				.01																	.14
RICHARDTON ABBEY																			.01	.02	.04	.01	.05	.07	.02	.22
RIVERDALE																						*	*	*	*	*
RYDER		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SARLES 3 E	//																		*	*	*	*	*	*	*	*
TROTTERS 3S											.01	.01														.02
WAHPETON POWER PLANT								.13	.01	.02	.04	.04	.10	.02	.01	.04	.02									.43
														—2d—												
AMIDON												.05	–	.09	.09	.09	.09									.41
ASHLEY	//	.02	.02	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.20						.24
BALFOOR		*	*	*	*	*	*	*	.38																	.38
BEACH		.02	.04	.04	.01	.02	.02	.01																		.16
BELCOORT INDIAN RES		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.18						.18
BEULAH		*	*	*	*	*	*	.41																		.41
BISMARCK WB AIRPORT		.02	.03	.04	.04	.04	.03	.02	.02	.01	.01															.26
BOWMAN COURT BOUSE	//	*	*	*	*	*	*	*	*	*	*	*	.40													.40
BREIEN		*	*	*	*	*	.39																			.39
CANDO		*	*	*	*	*	*	*	.50																	.50
CARSON		*	*	*	*	*	.38																			.38
DAWSON		*	*	*	*	.10																				.10
DEVILS LAKE WB CITY					.01	.06	.09	.09	.07	.04	.01	.03	.01	.01												.42
DICKINSON CAA		*	*	*	*	*	*	*	*	*	*	.40														.42
EDGELEY EXP FARM		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.21	.21
ESMOND		*	*	*	*	*	.40																			.40
FARGO WB AIRPORT	//			.05	.10	.07	.08	.09	.06	.03																.48
FORT YATES		*	*	*	*	*	*	*	*	.30																.40
FRYBURG		.03	.02	.03	.01	.01		.03	.01																	.14
GLEN ULLIN		*	*	*	.40																					.40
GRAND FORKS CAA	//					.01	.02	.01	.03	.05	.07	.05		.02												.26
GRASSY BUTTE		*	*	*	*	*	*	.20																		.20
HALLIDAY		*	*	*	*	*	.25																			.25
HANNAFORD												.16	.08	.02												.26
HAYNES 6 NE		*	*	*	*	*	.45																			.45
HAZELTON R R STATION	//	*	*	*	*	*	*	*	*	*	*	.34														.34
BURDSFIELD		*	*	*	*	*	*	*	*	.25								–	–	–	–	–	–	–	–	–
JAMESTOWN CAA	//	.01						.05	.08	.09	.06															.29
MANDAN EXP STATION		*	*	*	*	*	*	*	*	*	*	*	*	*	.20											.20
MARMARTH M D O CO		*	*	*	*	*	*	*	1.05																	1.05
MELVILLE			.02									.03	.05													.10
MINOT CAA	//							.02	.03	.01																.06
MOTT		*	.56																							.56
NAPOLEON 1 SE		*	*	*	*	*	*	*	*	*	.38															.38
OAKES		*	*	*	*	*	*	*	*	*	*	*	*	*	.79											1.02
PEMBINA CAA	//												.02	.11	.08	.06	.04	.03	.01							.35
PETTIBONE									.13		.12			.04												.29
RAUB	//											.03	.04	.03												.10
RICHARDTON ABBEY		.03	.05	.05	.05	.04	.01	.10	.02																	.35
RIVERDALE		*	*	*	*	*	.39																			.39
ROLETTE																	.12	.09	.05	.02						.28
RYDEB		*	.26																							.26
SHEYENNE		*	*	*	*	*	*	*	*	*	*	*	*	.36												.36
TROTTERS 3S										.05	.04															.09
WAHPETON POWER PLANT		.02	.01	.01	.12	.16	.08	.02	.02	.07	.03															.54
WASHBURN WATER WKS		*	*	*	*	*	.31																			.31
WATFORD CITY 11E					*	*	*	*	.05																	.05
														—3d—												
KENMARE						.01	.01	.01																		.03
PEMBINA CAA	//						.01		.01	.01																.03
SARLES 3 E	//	*	*	*	*	*	*	*	*	*	.67															.67
														—4th—												
SALFOUR																	.02	.03								.05
SARLES 3 E	//													.02												.02
														—5th—												
BALFOUR									.02	.02	.02	.01														.07
NORTHGATE		.01	.02																							.03
PEMBINA CAA	//								.03	.03	.02															.08
RAUB	//	.02																								.02
ROLETTE				.03																						.03
														—6th—												
ANTLER																			.03							.03
BEACH								.01	.08	.09															.09	.27
BELCOORT INDIAN RES																		.01	.04	.04	.01					.10

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending											Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
CROSBY											.04	.11	.11												.26
DEVILS LAKE WB CITY																		.03	.03						.06
DICKINSON CAA												.03													.03
ESMOND																	.04	.02	.01					.07
FARGO WB AIRPORT //														.01	.04		.02	.01							.08
FRYBURG									.03	.06															.09
GRAND FORKS CAA //																.01	.02	.01							.04
GRASSY BUTTE								.02	.13	.06													.06	.03	.30
HALEY									.02																.02
HALLIDAY										.01	.05														.06
KENMARE													.02		.03										.05
KRAMER 5 SE																	.05	.03		.01					.09
MC GREGOR RR STATION						.03	.04	.03	.08	.05	.02	.01													.28
MELVILLE																		.01	.02						.03
NORTHGATE													.05	.03	.02										.10
PEMBINA CAA //																	.01	.02	.07	.04	.07	.01	.01		.23
PETTIBONE									.02																.02
ROLETTE																	.02	.03	.02						.07
SHEYENNE																	.03	.07	.05						.15
STANLEY										*	*	*	*	*	.41										.41
TROTTERS 3S					.02	.02	.01	.01	.08	.02	.01	.01	.01					.01					.01	.08	.29
WATFORD CITY 11E											.12	.08												.02	.22
WILLISTON WB CITY										.10	.10	.11													.31
—7th—																									
AMIDON	.01	.06	.02			.02		.01		.01		.01	.01	.01											.16
ANTLER						.04	.01	.02																	.07
ASBLEY //							.01	.01		.01	.02	.04	.04	.02											.15
BEACH	.05	.05	.03	.02	.02	.11	.10	.02																	.40
BEULAH	.02	.02	.01	.01			.04	.01	.05	.03	.01														.20
BISMARCK WB AIRPORT									.04	.02	.02	.02					.01								.11
BOWMAN COURT HOUSE //	.01	.08	.01	.02	.01	.01	.01																		.15
BREIEN								.05	.03		.01	.02	.01												.12
CANDO					.01	.05	.06																		.12
CARSON							.02	.01	.01		.02														.06
CROSBY				.01	.02	.01	.02		.01																.07
DAWSON										.04	.03	.02													.09
DICKINSON CAA	.01	.04	.02	.01	.01				.01	.01															.11
EDGELEY EXP FARM											.03														.03
FARGO WB AIRPORT //															.01										.01
FORT YATES									.03	.05	.01	.01			.03										.13
FRYBURG	.06	.04	.02	.01	.01	.04	.01	.01	.01																.21
GLEN ULLIN		.03					.02	.03	.02	.02	.01														.13
GRASSY BUTTE	.03	.03	.04	.03	.02	.03	.02	.03																	.23
HALEY		.01	.07				.01																		.09
HALLIDAY	.05	.01					.02	.02	.01	.04															.15
HAYNES 6 NE			.02	.01		.01																			.04
HAZELTON R R STATION //									.04	.05	.03	.02	.03	.03	.09	.05	.04								.38
KENMARE						.05	.05	.02	.03	.01	.01														.17
KRAMER 5 SE							.02	.04									.01								.07
MANDAN EXP STATION							.02	.03	.02	.01	.05	.01	.01	.01	.01										.17
MARMARTH M O U CO	.03	.12	.01	.01	.01	.02	.02	.03																	.25
MINOT CAA //							.05	.03	.02	.01	.01	.01													.13
MOTT			.02		.01	.01																			.04
NAPOLEON 1 SE									.03	.06		.05													.14
NORTHGATE					.03	.04	.03																		.10
RAUB //					.01		.04	.04	.04	.04	.01														.18
RICHARDTON ABBEY	.05	.02					.01	.02																	.10
RIVERDALE								.05	.03	.05	.02				.01										.16
RYDER															.01	.01	.01								.03
SARLES 3 E //													.03	.01			.01	.02	.01	.01					.09
STANLEY	*	*	*	*	*	*	*	.12																	.12
TROTTERS 3S	.02	.02	.01		.02	.04	.01																		.12
WAHPETON POWER PLANT		.01	.01	.01																					.03
WASHBURN WATER WKS								.05	.05	.04	.01														.15
WATFORD CITY 11E	.02	.01			.01	.02	.02	.06	.08	.01	.01														.24
WILLISTON WB CITY				.01	.01						.01														.03
—8th—																									
RYDER								.03	.05	.03	.01														.12
—9th—																									
BALFOUR									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAMESTOWN CAA //																			.01	.01					.02
—10th—																									
GOLVA 1 S E	-	-	-	-	-	-	-	-	-	-	-	-													-
—13th—																									
BOWMAN COURT HOUSE //			.02																						.02
DICKINSON CAA				.03																					.03
FARGO WB AIRPORT //															.01										.01
GRAND FORKS CAA //														.04		.01									.05
MARMARTH M D U CO		.02	.03																						.05
—14th—																									
ASBLEY //											.01	.01					.02								.04
BEULAH										.01	.08	.05													.14
BISMARCK WB AIRPORT													.02												.02
BREIEN									.08																.08
CARSON								.02	.04																.06
DICKINSON CAA								.09	.01																.10
FORT YATES									.03	.02															.05
FRYBURG							.09	.01																	.10
GLEN ULLIN								.02	.05	.02															.09
GRASSY BUTTE								.06	.08	.04	.01														.19
HALLIDAY									.01	.05	.03	.04													.13
HAZELTON R R STATION //												.03													.03
BURDSFIELD	-	-	-	-	-	-	-	-																	-
RICHARDTON ABBEY																			*	*	.10				.10
TROTTERS 3S						.08	.10																		.18
—15th—																									
MANOAN EXP STATION									.01	.01															.02
—16th—																									
DAWSON	.03		.01																						.04

See reference notes following Station Index.

Station		A.M. Hour ending												P.M. Hour ending												Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
														—18th—												
GRAND FORKS CAA	//																							.04		.04
PEMBINA CAA	//																						.07	.01	.01	.09
SARLES 3 E	//																					.03				.03
SHEYENNE																						.03				.03
														—19th—												
GRAND FORKS CAA	//										.01															.01
														—20th—												
MC GREGOR RR STATION					.02	.01	.02				.03	.01	.01	.01	.01											.12
RAUB	//									.02				.03		.03					.02					.10
RYDER														.03	.02	.01	.01									.07
														—21st—												
AMIDON																						.04	.06	.08	.02	.20
ANTLER									.06	.03	.02	.01														.12
BEACH																					.01	.02	.01	.02	.01	.07
BELCOURT INDIAN RES			*	*	*	*	*	.02																		.02
BEULAH																								.01	.03	.04
BISMARCK WB AIRPORT																									.03	.03
BOWMAN COURT HOUSE	//																							.05	.09	.14
BREIEN																								.01	.04	.05
CARSON																								.03	.02	.05
CROSBY		*	*	*	*	*	.20																			.20
DICKINSON CAA																						.02	.07	.06	.04	.19
ESMOND										.01	.01	.01														.03
FRYBURG																					.01	.02	.04	.01	.01	.09
GLEN ULLIN																								.05	.06	.11
GOLVA 1 5 E																					*	*	*	*	*	*
GRASSY BUTTE								.02	.01		.01	.01	.01	.03												.09
HALLIDAY																.02										.02
HURDSFIELD																								.01		.01
KRAMER 5 5E												.01	.03					-	-	-	-	-	-	-	-	-
MANDAN EXP STATION																								.02	.03	.05
MARMARTH M D U CO																							.05	.10	.06	.21
MINOT CAA	//													.02	.07											.09
MOTT																								.05	.03	.08
NORTHGATE												.07	.05													.12
RIVERDALE				*	*	*	*	*	*	*	.05															.05
ROLETTE				.01	.01	.01																				.03
SHEYENNE		.01	.01																							.02
STANLEY														.04	.05	.02	.01									.12
TROTTERS 35													.02	.02		.01	.01									.06
WATFORD CITY 11E										.01	.02	.02		.04	.01											.10
WILLISTON WB CITY										.01	.03	.01	.04	.01												.10
														—22d—												
AMIDON		.01	.01	.01																						.03
ASBLEY	//		*	*	.05																					.05
BEACB		.02	.01	.02																						.05
BEULAB		.01	.01																							.02
BISMARCK WB AIRPORT		.03	.04	.03	.02	.01	.01																			.14
BOWMAN COURT BOUSE	//	.02																								.02
BREIEN		.02	.03	.01				.02																		.08
CARSON		.02	.06																							.08
DAWSON		.02	.04	.03	.03																					.12
DICKINSON CAA		.03	.02	.01																						.06
EDGELEY EXP FARM			.01	.02	.04	.04	.03		.01		.03															.18
FORT YATES				.01	.01	.01																				.03
FRYBURG		.01						.01	.02																	.04
GLEN ULLIN		.06	.02	.02																						.10
GOLVA 1 S E		*	*	.23																						.23
GRASSY BUTTE				.01	.01																					.02
HALLIDAY											.03															.03
HAYNES 6 NE		.01	.01	.01																						.03
HAZELTON R R STATION	//	.03	.04	.01	.04	.01																				.13
HURDSFIELD		.02	.03	.02																						.07
JAMESTOWN CAA	//		.01	.02	.05	.02		.02																		.12
KENMARE				.02	.03	.02	.03	.02		.02	.02	.04	.02	.01												.23
MANOAN EXP STATION		.04	.01																							.05
MOTT		.05	.02																							.07
NAPOLEON 1 5E		.01	.04	.01	.04																					.10
OAKES		.01	.02			.02	.07	.03	.02																	.17
RICHARDTON ABBEY		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.22	.22
STANLEY																				.01	.01					.02
WAHPETON POWER PLANT											.04	.06														.10
WASHBURN WATER WKS		.01	.04																							.05
WATFORD CITY 11E				.02	.01																					.03
														—23d—												
BALFOUR		-	-	-	-	-	-	-	-	-																-
SHEYENNE					.04																					.04
														—24th—												
PETTIBONE			.05	.03	.02																					.10
														—25th—												
DICKINSON CAA														.01												.01
														—26th—												
GLEN ULLIN		.01																			.02					.03
														—27th—												
MARMARTH M D U CO																						.02				.02
														—28th—												
BISMARCK WB AIRPORT			.01																							.01
ESMOND			.02																							.02
BURDSFIELD			.02	.01																						.03
														—31st—												
BEULAH																							.02			.02
BISMARCK WB AIRPORT																									.01	.01
BOWMAN COURT ROUSE	//																		.01	.01						.02

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A.M. Hour ending												P.M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
DICKINSON CAA																		.01	.01	.01					.03
GLADSTONE 22N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HALEY																				.02	.02				.04
HAYNES 6 NE																						.01	.01		.02
HETTINGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARMARTH M D U CO																	.03	.02	.01						.06
MOTT																					.03				.03
WASHBURN WATER WKS																							.01	.01	.02

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830 CST.

- - No record in Tables 3, 4, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
- B Adjusted to a full month.
- E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.
- R Daily values and monthly total from recording gage. All other data in Table 3 are from non-recording gages.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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W.B.O., Kansas City, Mo. -- 12-8-50 -- 1070

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

NORTH DAKOTA
OCTOBER 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7SW	MAX	45	37	43	58	70	57	47	67	67	68	68	72	77	62	69	56	72	67	62	68	45	49	60	52	60	71	68	68	78	81	65	62.2
	MIN	34	26	26	25	41	45	36	39	41	34	43	40	49	41	40	30	39	38	31	42	31	30	32	30	31	42	34	35	42	41	39	36.4
AMENIA	MAX	45	45	44	56	60	60	56	51	73	67	67	69	60	57	69	58	68	62	52	71	47	48	43	48	61	66	65	69	81	74	67	60.0
	MIN	37	32	28	27	36	43	34	41	39	38	46	37	39	37	42	43	33	42	36	31	37	34	25	34	19	39	38	50	32	39	47	36.6
AMIDON	MAX	41	38	43			71	62	71	69	72	66	70	74	74	61		55	69	68	70	65	43	52	61	54	71	69	73	69	76	61	63.1
	MIN	29	26	24			36	34	35	35	39	37	40	42	37	34	30	41	40	35	45	34	31	34	25	29	35	35	35	46	35	25	34.6
ARVILLA STATE PARK	MAX	48	44	43	57	55	59	53	52	70	65	66	68	55	57	60	57	62	57	49	63	41	44	44	47	58	66	60	67	76	71	61	57.3
	MIN	35	32	27	28	36	39	43	42	41	38	46	31	37	34	40	39	27	38	35	37	33	24	21	33	26	35	35	45	32	31	42	34.8
ASHLEY	MAX	45	38	43	56	71	62	52	61	67	64	67	70	82	58	74	59	69	68	61	72	57	52	54	51	65	69	68	69	78	86	68	63.1
	MIN	36	30	25	23	38	47	36	39	37	29	42	29	44	40	40	36	34	37	35	40	33	30	28	29	25	35	20	39	34	35	42	34.4
BALDHILL DAM	MAX	52	46	46	46	56	64	62	56	58	68	64	66	68	68	68	70	56	64	64	66	72	46	48	50	50	66	70	66	70	86	80	61.7
	MIN	32	30	20	22	34	40	42	34	40	26	34	36	36	36	36	36	32	38	34	34	32	32	24	30	22	32	30	38	34	32	38	32.8
BEACH	MAX	36	38	44	56	68	57	51	71	61	72	67	74	72	58	69	53	62	69	71	61	43	52	59	54	63	65	72	66	77	77	63	61.3
	MIN	27	26	25	27	39	43	32	32	43	31	43	37	44	37	38	28	41	39	27	40	34	31	36	26	32	36	30	32	35	38	36	34.4
BELCOURT INDIAN RES	MAX	46	35	46	54	56	71	52	58	86	58	63	65	55	52	55	53	55	58	47	51	36	37	52	43	55	69	58	63	68	74	62	55.3
	MIN	33	28	26	21	36	41	35	40	40	28	43	30	40	28	35	35	36	32	34	34	29	26	27	25	17	27	28	36	28	36	38	32.0
BELFIELD	MAX	39	39	44	49	72	58	51	72	62	71	76	77	74	58	65	55	65	69	71	61	43	51	54	55	59	69	73	67	70	74	50	61.1
	MIN	28	26	25	23	36	42	33	29	31	28	33	34	38	38	35	30	36	38	28	37	33	33	34	27	28	35	28	36	33	34	35	32.4
BISBEE	MAX	41	47	54	58	58		49	59	65	58	73	69	55	54	58	55	57	57	50	53	39	41	54	53	55	70	59	50	69	75	56	56.4
	MIN	30	21	24	37	41		38	41	40	30	38	34	40	31	35	30	35	33	37	36	31	25	28	27	21	27	24	38	29	38	38	32.6
BISMARCK W8 CITY	MAX	44	39	45	58	71	65	56	65	69	65	69	72	77	71	72	60	74	69	61	63	54	45	57	55	62	69	70	69	81	79	60	63.4
	MIN	39	31	30	29	39	48	39	43	42	32	45	33	40	43	39	36	37	41	35	45	35	33	32	33	30	31	29	40	34	35	44	36.8
BISMARCK W8 AIRPORT	MAX	45	39	46	59	71	62	49	65	71	67	70	73	79	51	73	58	74	67	57	69	42	43	56	52	62	68	70	69	80	84	55	62.1
	MIN	33	28	28	26	38	44	38	43	42	30	39	33	40	38	38	36	35	40	34	42	32	32	32	29	30	30	27	39	32	34	41	35.0
BOTTINEAU	MAX	45	43	34	49	57	60	58	50	61	65	59	65	67	61	55	57	54	58	61	49	52	38	37	53	43	56	67	60	65	70	77	55.7
	MIN	30	30	22	19	29	42	35	30	39	25	34	32	41	32	36	28	31	33	36	37	30	29	28	32	22	29	26	29	31	43	37	31.5
BOWBELLS	MAX	38	40	38	47	59	62	51	49	70	62	63	65	72	68	53	60	48	57	63	50	50	49	46	55	48	60	70	62	64	71	76	57.0
	MIN	29	28	22	25	30	35	36	31	41	30	37	35	42	37	35	29	30	33	34	35	30	30	33	27	27	33	26	30	35	38	35	32.2
BOWBELLS 5E	MAX	37	40	36	58	58	65		52	59	62	63	63	71	66	53	58	47	58	61		50		44	55	45	59	70		64	70	77	57.1
	MIN	30	28	23	26	36	35	36	33	40	25	34	35	38	35	33	29	32	29	32		29		29	27	24	27	25	28	33	36	35	31.1
BOWMAN COURT HOUSE	MAX	40	33	39	53	64	64	54	65	65	69	68	68	68	68	61	61	57	63	66	65	54	50	50	50	61	61	64	61	68	66	65	59.4
	MIN	30	25	22	23	39	44	35	34	37	30	40	40	55	40	35	30	41	40	34	40	34	32	32	25	28	35	31	35	40	40	35	34.9
BUTTE	MAX	45	41	43	57	66	60	48	62	69	62	67	72	69	62	63	58	68	65	62	56	43	43	56	54	60	73	64	68	77	81	65	60.6
	MIN	34	28	25	27	39	42	35	41	42	33	43	52	44	39	37	32	35	38	39	39	31	28	31	28	29	34	28	38	49	45	40	36.3
CARRINGTON	MAX	40	45	36	43	42	67	59	46	60	67	60	65	63	64	60	72	56	67	64	53	63	38	42	45	45	58	67	62	62	78	76	56.9
	MIN	36	30	25	25	31	37	35	38	39	35	35	35	34	33	38	33	32	35	35	34	33	28	28	28	23	26	30	30	32	38	38	32.5
CARSON 2 S W	MAX	42	38	40	60	70	60	50	70	68	68	69	77	80	60	70	57	73	70	68	70	50	50	60	55	65	71	70	70	80	82	62	63.7
	MIN	32	28	25	24	40	45	34	38	40	30	41		46	36	39	32	40	37	31	41	34	30	31	29	34	40	32	36	39	42	34	35.3
CAVALIER POWER PLANT	MAX	50	36	45	55	48	58	59	56	67	63	65	69	63	56	66	56	58	56	56	47	42	42	45	43	56	67	60	66	74	67	66	56.7
	MIN	33	31	30	30	36	41	38	35	41	39	39	31	35	32	32	39	38	38	38	38	32	26	25	26	22	31	34	48	38	42	48	35.0
CENTER	MAX	44	40	44	59	70	58	49	65	68	66	68	72	76	66	68	68	72	70	62	65	42	49	61	60	73	70	68		80	70	66	63.0
	MIN	34	28	22	24	35	44	35	40	38	25	35	48	36	38	32	30		32	28	38	31	29	28	29	26	20	24	30	30	32	39	32.0
COOPERSTOWN	MAX	38	35		50	64	58	52		59		56	57	50	47	58	55		51	49	55	40	35	40							68	58	
	MIN	35	27	25	26	36	30	39	38	39	34	42	31	44	37	39	37	35	39	36	33	31	29	24	32	22	33	28	33	33	30	40	33.5
CROSBY	MAX	38	37	39	50	56	69	51	47	69	61	66	66	72	71	51	57	46	58	56	52	45	45	50	56	53	62	63	64	55	70	73	56.4
	MIN	28	28	22	24	28	38	36	33	38	31	34	36	40	40	34	27	31	32	33	34	30	30	33	26	29	33	37	36	35	35	36	32.5
DEVILS LAKE W B CITY	MAX	44	37	43	54	60	58	50	57	67	59	65	66	57	55	60	55	61	61	44	56	36	41	52	42	57	70	61	65	73	76	53	56.0
	MIN	36	28	23	30	38	43	38	42	42	34	42	36	38	34	40	34	36	36	38	36	27	29	29	28	26	33	30	43	35	38	40	34.9
DICKINSON CAA	MAX	38	35	43	54	71	57	47	71	63	72	67	76	75	55	68	52	68	68	70	66	38	50	60	52	56	68	70	67	77	74	51	60.6
	MIN	30	27	26	26	43	42	33	32	37	32	38	40	44	38	36	31	40	37	30	37	30	30	33	27	32	33	31	35	42	40	36	34.5
DICKINSON EXP STATION	MAX	40	40	37	45	56	69	58	48	73	65	72	68	75	74	56	69	52	69	70	66	66	38	51	62	54	56	69	71	66	78	70	60.8
	MIN	31	28	27	23	31	45	34	28	37	26	36	33	39	39	38	30	31	38	29	31	34	31	32	28	29	31	26	34	32	34	39	32.4
DRAKE	MAX	47	47	40	45	48	64	62		63	69	60	69	72	69	68	62	55	69	65	53	59	34	40	56	47	60	75	68			82	58.9
	MIN	29	30	23	25	32	41	37	35	36	33	38	37	40	36	32	31	33	35	37	37	33	29	30	30	28	31	28	30			35	32.8
DUNN CENTER	MAX	40	42	42	47	57	69	55	56	72	64	71	67	76	74	51	63	51	64	68	60	61	49	50	62	53	52	68	69	66	78	76	60.5
	MIN	30	28	21	21	24	40	34	30	33	26	30	29	29	39	35	29	32	36	26	26	29	29	31	28	24	25	22	26	31	29	28	29.1
DUNSEITH ST SANITARIUM	MAX	45	40	46	56	58	55	50	59	65	58	62	66	58	53	54	53	57	59	57	50	41	37	53	47	55	68	61	63	68	75	67	56.0
	MIN	32	28	28	24	40	42	36	40	38	26	42	37	45	33	35	33	37	34	37	36	30	28	25	33	22	30	28	28	32	45	38	33.6
EDGELEY EXP FARM	MAX	43	46	40	45	57	72	66	45	59	69	65	68	70	78	55	72	68	70	66	58	71	43	37	48	40	63	65	69	70	81	81	60.6
	MIN	36	31	25	26	30	41	37	29	35	32	30	33	34	34	34	36	30	33	32	29	32	29	25	25	20	24	30	41	34	33	45	31.8
EDMORE 1 W	MAX	47	39	43	53	55	55	54	55	66	58	64	65	53	55	57	55	57	60	52	56	42	41	49	47	55	69	60	63	71	75	59	55.8
	MIN	34	29	20	27	38	42	44	42	41	29	39	29	42	33	37	34	36	33	36	35	31	25	27	31	20	29	25	43	28	38	36	33.3
ELBOWOODS	MAX	44	49		59	69	56	55	72	66	71	68	75	75	61	64	55	67	67	58	62	44	50	62	60	55	67	67	66	80	79	62	62.8
	MIN	32	29		24	34	48	38	35	40	27	35	29	38	43	39	32	39	35	28	34	32	32	32	33	30	28	34	42	29	32	44	34.2
ELLENDALE	MAX	45	43	46	56	69	66	54	50	73	65	68	73	80	69	75	66	72	67	58	77	60	40	50	51	63	67	72	72	82	81	65	63.7
	MIN	42	32	29	25	38	42	36	39	35	35	46	37	36	38	41	39	34	44	38	33	34	32	24	33	25	31	33	45	35	34	46	35.8
EPPING	MAX	40	43	48	59	68	60	51	72	71	68	66	74	74	60	60	52	58	65	52	50	39	55	58	50	60	65	65	65	71	77	61	59.9
	MIN	27	28	18	25	35	35	34	31	41	31	34	35	42	40	30	25	27	34	28	34	30	30	30	22	30	35	28	37	35	40	37	31.9
FARGO W8 AIRPORT	MAX	43	43	44	57	60	61	49	50	70	61	67	66	63	56	68	57	67	60	47	69	44	44	42	47	60	67	65	68	78	75	65	58.5
	MIN	38	30	29	28	41	44	39	42	40	36	45	35	43	37	42	37	31	42	35	34	37	28	27	25	21	45	35	45	35	41	43	36.5
FESSENDEN	MAX	43	40	41	53	62	56	60	63	66	59	65	64	58	60	63	58	62	59	59	54	52	59	56	49	55	72	66	59	80	79	76	59.6
	MIN	33	29	23	30	38	38	36	40	40	35	44	35	38	39	40	33	35	36	35	37	32	29	31	32	25	26	28	36	39	40	39	35.2
FORMAN	MAX	41	42	48	54	67	64	54	52	71	63	68	70	72	67	75	68	68	66	53	74	67	40	44	50	65	70	72	70	76	85	75	62.9
	MIN	39	32	26	24	37	43	38	38	34	35	45	33	37	28	42	42	31	46	38	29	35	31	31	32	23	42	31	38	38	44	42	35.9
FORT YATES	MAX	44	41	45	59	72	63	50	64	72	67	69	69	81	66	68	67	76	71	68	69	58	48	57	54	68	72	71	72	80	86	88	65.6
	MIN	36	30	26	25	37	47	39	44	41	31	46	33	44	44	41	36	38	38	35	44	35	33	31	32	30	33	26	40				36.3
FOXHOLM WILDLIFE REF	MAX	45	40	47	59	62	58	64	69	66	66	66	73	65	60	63	57	63	62	58	59	46	45	59	47	60	72	66	65	73	82	72	61.0
	MIN	33	29	25	27	36	43	35	40	42	32	42	31	39	38	36	30	35	37	35	38	31	30	38	30	22	28	22	40	28	32	40	33.6

See reference notes following Station Index.

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FULLERTON	MAX	45	42	45	55	68	67	54	51	71	66	67	72	80	63	76	67	72	66	58	76	62	40	50	50	64	67	71	70	81	81	65	63.3
	MIN	39	32	26	27	39	43	35	40	36	34	47	36	36	37	41	40	33	43	36	31	35	32	25	32	23	35	35	46	34	37	45	35.8
GACKLE	MAX	44	40	41	54	67	63		58	65	63	65	70	75	71	72	68	66		60	65	59	37	51	46	80	71	64	66	77			60.7
	MIN	35	30	26	27	39	37		39	39	34	42	33	48	41	36	35	40		34	40	32	29	29	28	28	40	36	30	39			35.0
GARRISON	MAX	45	40	46	56	68	57	45	66	67	66	66	71	74	55	65	54	63	65	53	60	35	47	61	49	55	70	66	66	77	79	52	59.3
	MIN	31	25	30	27	38	42	35	41	36	32	39	34	38	39	38	30	38	35	30	36	31	31	32	28	29	30	26	35	34	32	36	33.5
GRAFTON 5TATE 5CHOOL	MAX	49	46	44	55	53	58	51	53	66	64	65	67	65	56	57	58	60	58	55	57	39	42	43	47	57	64	60	66	74	70	70	57.1
	MIN	35	30	27	29	36	40	36	43	39	35	43	32	43	35	37	39	36	38	36	37	32	25	22	32	20	35	35	47	32	36	37	34.8
GRAND FORKS CAA	MAX	47	40	43	55	54	59	51	54	67	63	66	67	54	56	61	56	63	57	45	62	40	42	42	48	59	65	61	67	77	73	59	56.5
	MIN	35	31	29	30	39	43	39	45	44	35	40	32	45	40	42	38	36	39	37	38	28	27	25	26	23	39	32	42	36	39	39	35.9
GRAND FORK5 UNIVER5ITY	MAX	43	42	43	56	54	59	55	53	67	63	65	66	59	56	61	55	63	56	48	62	43	42	43	48	59	65	62	67	77	73	61	57.0
	MIN	36	31	28	29	31	44	38	41	43	35	45	34	46	41	43	39	36	37	38	38	36	29	26	30	24	41	32	49	37	41	41	36.7
GRANVILLE	MAX	48	41	48	60	67	62		66	68	62	67	74	71	60	69	57	71	64	57	57	45	41	58	49	61	75	64	68	77	85	65	61.9
	MIN	31	28	20	25	38	42		36	40	30	38	33	40	35	38	29	37	34	35	35	30	28	31	31	24	30	25	40	32	36	40	33.0
GRENORA	MAX	38	41	48	55	65	55	53	71	72	67	71	71		59	59	50	56	66	54	47	40	60	55	49	60	62	65	65	70	73	70	58.9
	MIN	29	27	18	25	36	44	35	32	45	32	35	35		40	35	25	35	33	30	30	30	31	35	23	30	35	25	32	39	40	35	32.5
HANKIN5ON R R STATION	MAX	54	43	40	49	58	65	70	52	52	72	64	67	68	73	57	72	60	70	65	51	73	51	41	43	50	64	70	70	70	80	82	61.2
	MIN	38	32	28	30	33	41	44	40	38	37	37	40	40	40	40	43	33	30	39	32	39	32	32	34	22	25	34	38	37	36	35	35.5
HANNAH	MAX	47	40	43	53	52	54	52	56	60	59	63	67	54	51	54	53	54	55	45	46	39	40	51	50	50	58	59	68	71	75	57	54.1
	MIN	34	29	26	27	35	42	34	41	41	31	42	32	40	29	35	37	37	30	36	35	30	22	29	30	22	30	26	34	32	40	38	33.1
HAN5BORO	MAX	49	37	49	58	57	54	51	59	68	61	65	68	55	52	56	56	55	59	46	48		41	54	43	56	72	60	64	72	75	58	56.6
	MIN	31	27	26	25	35	39	35	39	39	30	41	34	37	30	35	31	35	29	36	34		26	27	25	17	24	24	42	30	38	38	32.0
HETTINGER	MAX	44	37	48	54	67	71	68	72	71	74	76	78	79	70	74	67	76	71	70	69	72			69	71	72	78	76	75	72	54	68.1
	MIN	32	24	23	27	36	39	30	34	36	30	41	49	53	47	37	34	41	43	40	44	46		31	29	32	39	43	46	47	45	37	37.8
HILLSBORO	MAX	45	36	42	56	58	58	49	52	70	64	65	68	52	58	59	60	65	59	54	66	47	44	42	47	59	65	63	66	79	72	64	57.5
	MIN	36	30	25	27	45	40	34	38	39	35	45	40	35	35	40	34	31	42	36	32	34	30	21	32	18	38	34	43	38	33	46	35.0
JAME5TOWN CAA	MAX	46	40	45	58	69	62	46	56	68	63	67	69	70	57	74	59	69	65	53	71	40	40	51	47	61	68	65	70	80	81	61	60.4
	MIN	37	28	26	26	38	42	39	39	39	34	43	32	40	36	39	38	32	39	36	35	33	29	27	22	20	32	26	43	31	33	41	34.0
JAME5TOWN 5TATE HO5P	MAX	45	41	44	58	63	63	47	55	68	63	66	66	72	60	73	61	69	66	54	69	48	39	50	47	61	66	66	68	79	79	65	60.4
	MIN	37	31	27	24	38	42	39	40	39	34	45	33	44	38	39	38	33	42	37	36	32	30	28	34	24	35	30	44	33	35	45	35.7
KENMARE	MAX	39	42	39	47	60	65	52	47	69	63	64	65	72	70	55	60	50	59	61	50	52	36	45	57	47	59	69	61	64	73	76	57.0
	MIN	31	30	23	26	29	37	37	40	40	35	40	37	41	38	36	31	31	37	35	35	32	31	33	29	29	35	30	33	39	39	37	34.1
KENSAL WILDLIFE REFUGE	MAX	47	42	46	56	70	58	50	56	69	60	68	64	67	62	69	57	66	65	54	67	46	45	52	47	60	69	63	69	80	78	65	60.2
	MIN	36	27	24	27	37	40	38	38	40	31	44	29	40	31	40	35	31	38	36	35	32	28	30	25	21	29	25	30	31	34	40	33.0
LA MOURE	MAX	45	45	45	55	67	66	55	50	72	64	68	72	77	65	75	70	72	68	59	73	55	39	49	48								60.6
	MIN	38	31	27	26	37	44	37	38	36	34	44	31	39	38	41	40	31	39	36	33	35	30	26	32								35.1
LANGOON EXP FARM	MAX	46	42	41	53	52	54	53	57	64	58	64	65	55	54	55	54	54	58	53	52	41	41	48	47	54	71	61	63	70	71	60	55.2
	MIN	34	28	25	27	35	41	35	41	40	30	41	30	43	31	35	33	37	32	35	34	30	23	27	34	23	30	26	41	32	43	39	33.4
LEEDS	MAX	44	39	46	57	64	58	48	62	67	59	65	68	57	59	62	52	61	62	54	57	43	41	55	50	58	73	62	64	73	78	61	58.0
	MIN	36	29	21	28	37	40	38	40	40	33	40	33	40	31	38	31	34	33	37	36	30	26	29	32	24	29	24	41	30	34	40	33.4
LINTON	MAX	45	40	45	60	72	62	53	62	71	66	68	73	80	73	79	69	77	72	63	69	56	44	58	52	67	73	71	72	80	86	62	65.2
	MIN	38	32	24	21	39	48	37	41	42	29	43	32	45	41	43	38	40	40	35	43	36	34	30	31	30	33	27	28	33	36	40	35.8
LISBON	MAX	44	45	40	49	55	66	62	50	52	72	64	68	67	73	59	72	60	67	64	53	74	48	40	48	50	65	69	68	70	79	82	60.5
	MIN	36	30	24	21	24	36	36	37	35	32	33	29	29	34	36	42	25	31	33	30	34	29	21	30	17	22	28	28	33	32	31	30.3
MAODOCK AGR SCHOOL	MAX	45	41	43	57	62	58	48	60	67	59	65	64	60	57	61	55	63	60	55	62	42	40	55	50	56	72	61	65	73	78	63	58.0
	MIN	36	30	21	27	36	41	38	40	40	31	40	31	40	32	38	32	34	35	37	33	29	25	29	31	22	27	25	40	29	35	41	33.1
MANOAN EXP STATION	MAX	41	43	37	45	58	69	60	46	64	69	66	68	73	77	51	71	55	74	67	55	66	39	45	56	50	61	69	69	68	80	82	60.5
	MIN	37	30	27	25	37	46	38	38	41	32	43	32	40	44	36	37	34	39	32	38	35	31	31	32	29	31	27	37	34	36	44	35.3
MANDAN FT LINCOLN PARK	MAX	44	42	48	60	72	62	55	65	73	67	71	79	80	69	74	59	74	69	62	69	59	46	58	53	64	70	70	70	81	84	74	65.3
	MIN	37	30	27	28	38	45	37	42	39	31	44	32	42	42	35	37	36	39	32	40	35	31	30	32	30	30	30	39	34	35	42	35.5
MARMARTH	MAX	38	36	46	54	70	60	53	70	61	74	63	76	74	62	73	58	68	59	71	68		53	62	56	65	70	75	67	76	75	60	63.1
	MIN	30	28	25	25	37	46	35	30	30	28	38	34	43	47	35	33	43	35	30	35		33	33	24	24	28	25	32	33	30	35	32.8
MAX	MAX	45	46	34	43	55	68	57	45	64	67	64	65	71	73	54	64	55	67	66	53	57	54	44	60	48	58	70	65	67	79	79	59.3
	MIN	32	29	21	24	28	37	33	34	40	29	33	36	39	40	37	31	34	37	32	34	33	30	29	28	27	28	27	31	34	38	41	32.5
MAYVILLE	MAX	46	43	43	57	59	59	55	66	70	62	66	67	58	58	60	60	65	60	53	66	44	44	41	47	59	65	62	66	78	72	61	58.5
	MIN	36	32	28	28	37	43	37	42	42	37	44	35	47	36	40	41	33	42	35	35	35	31	24	24	20	38	32	42	33	41	41	35.8
MC CLUSKY	MAX	43	43	43	55	66	62	49	61	61	63	65	71	72	61	68	66	70	65	59	61	44	39	55	51	57	74	64			79	64	59.7
	MIN	35	29	22	27	38	43	35	41	41	32	40	36	41	38	39	34	38	37	32	40	32	31	30	30	30	34	29			36	41	34.9
MC HENRY 5 N	MAX	44	39	43	55	61	54	48	55	66	59	64	63	58	55	64	56	63	60	53	61	42	42	49	45	60	66	60	66	75	76	58	56.8
	MIN	34	29	23	25	35	41	36	38	39	31	41	33	44	34	39	35	34	37	36	34	31	27	25	29	23	33	26	43	31	37	43	33.7
MC LEOD 3 E	MAX	45	43	49	53	66	62	60	55	76	72	68	67	73	65	70	65	69	67	55	74	64		52	58	63	70	64	70	80	82	74	64.4
	MIN	38	31	25	25	37	40	38	38	39	34	46	32	39	40	43	38	33		41	34	34	25	27	20	22		24		34	38		33.9
MEDORA T R N M P	MAX	40	40	48	58	70	60	55	74	64	75	70	77	75	67	63	58	64	72	73	61	53	43	62	55	81	68	74	72		74	66	63.1
	MIN	31	29	24	19	34	45	32	28	40	24	46	31	40	35	30	28	42	37	26	34	20	37	32	28	24	27	42	36		29	36	32.2
MINOT CAA	MAX	44	40	46	57	64	58	48	65	68	64	66	72	64	53	63	51	66	62	50	53	38	44	59	47	59	70	64	66	75	80	55	58.4
	MIN	33	24	24	27	39	44	37	41	43	34	39	37	40	38	37	31	37	39	36	36	31	30	33	28	26	35	30	42	40	40	39	35.2
MINOT EXP FARM	MAX	43	40	46	56	63	58	52	64	67	63	65	69	65	53	62	57	65	62	58	55	42	42	59	46	59	69	64	65	72	80	64	58.9
	MIN	33	26	21	27	38	44	32	40	43	32	40	36	41	42	35	31	35	37	34	34	30	29	29	29	28	33	20	34	35	43	42	34.0
MOHALL	MAX	44	41	47	58	61	55	48	67	65	60	65	71	64	57	59	54	61	57	50	51	39	41	57	45	56	72	62	64	71	77	57	57.3
	MIN	32	28	24	26	38	43	35	41	40	31	41	35	42	34	36	30	35	32	36	38	32	30	30	29	25	35	26	40	34	37	39	34.0
MOTT	MAX	42	40	44	56	72	59	49	70	65	72	69	78	77	71	73	60	74	70	72	68	54	53	63	55	65	72	73	72	78	78	63	64.7
	MIN	33	28	24	23	35	45	36	26	36	23	35	31	40	36	37	32	37	36	27	36	34	31	31	26	25	30	22	38	30	29	31	31.7
MUNICH 4 SW	MAX	45	39	44	53	55	53	51	55	65	58	64	65	53	54	57	54	64	59	47	52	42	40	51	45	55	69	59	64	69	74	58	55.3
	MIN	34	29	22	24	37	42	34	42	40	30	36	31	36	29	32	29	31	31	36	36	31	24	27	26	21	29	26	40	31	42	37	32.1
NAPOLEON 1 SE	MAX	45	39	45	55	69	65	48	59	68	61	67	70	77	63	75	69	70	67	55	66	55	42	55	48	64	70	67	67	78	82	68	62.2
	MIN	34	30	27	26	36	45	37	41	39	28	42	33	46	37	38	34	32	38	34	41	34	36	28	31	26	38	25	40	37	40	39	35.2
NEW ENGLAND	MAX	40	36	44	54	70	60	50	72	63	73	68	77	76	66	72	59	71	70	72	67	55	52	62	55	61	71	72	69	78	76	68	63.8
	MIN	31	28	24	24	24	33	45	30	29	35	26	39	34	43	37	35	34	38	38	30	36	35	31	30	26	25	33	25	35	34	34	32.6

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

NORTH DAKOTA
OCTOBER 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW SALEM 1 S	MAX	39	39	45	59	70	57	47	66	65	63	68	71	76	60	69	70	77	69	67	62	59	50	60	58	59	67	59	63	78	80	67	62.5
	MIN		30	24	26	38	42	34	39	38	36	35	38	42	40	35	34	33	39	30	40	36	28	29	30	31	31	32	33	38	40	35	34.5
OAKES	MAX	44	44	39	48	56	69	67	46	50	72	65	69	74	81	76	77	61	74	66	56	75	46	38	51	51	65	67	74	71	78	83	62.4
	MIN	38	32	26	25	26	42	38	39	36	35	36	32	34	38	39	41	33	35	36	33	35	30	25	30	21	28	29	30	34	38	38	33.3
PARK RIVER	MAX	50	40	44	55	53	55	56	55	67	63	65	67	64	56	59	57	59	60	55	58	42	42	45	51	56	65	59	65	72	70	65	57.1
	MIN	38	32	29	32	35	38	40	44	40	36	45	36	45	40	39	39	36	39	39	38	32	26	23	35	20	31	36	48	36	36	45	36.4
PARSHALL	MAX	45	43	48	58	69	58	52	70	65	69	67	73	74	60	63	58	63	64	55	60	41	50	61	50	56	66	66	66	76	81	61	60.9
	MIN	30	32	19	30	33	46	35	38	41	23	33	29	34	41	35	29	36	32	30	29	31	30	30	27	29	28	21	33	30	32	41	31.8
PETERSBURG	MAX	49	40	42	55	55	55	48	54	66	61	64	67	59	57	58	57	60	58	50	61	39	43	47	45	55	66	58	64	75	71	57	56.0
	MIN	31	27	26	28	36	42	37	42	40	32	41	32	46	40	38	35	35	38	36	35	30	26	24	29	24	33	29	44	37	40	42	34.7
PETTIBONE	MAX	43	40	42	55	67	65	45	60	67	60	65	70	71	58	72	56	67	65	55	64	46	39	57	48	58	75	63	66	78	86	62	60.2
	MIN	35	30	25	25	37	45	44	39	40	31	40	31	41	38	37	36	34	37	35	37	- 32	30	30	31	27	33	26	40	38	40	44	35.1
PORTAL	MAX	38	39	38	48	59	64	51	52	70	61	63	65	73	68	54	58	47	57	62	51	47	35	49	55	47	62	66	68	66	70	77	56.8
	MIN	28	28	21	26	37	44	36	31	47	31	35	38	43	37	35	26	36	31	34	35	30	30	32	27	28	33	29	39	36	38	35	33.4
POWERS LAKE 1N	MAX	39	35	48	60	65	52	51	69	62	68									62	49	38	55	51	46	60	66	61	63	67	78	52	56.4
	MIN	28	28	18	25	33	33	34	35	42	38	29								31	37	30	30	29	25	29	33	25	35	31	35	33	31.1
RICHARDTON ABBEY	MAX	40	39	44	56	67	59	53	70	64	72	68	76	76	65	67	58	70	69	66	64	48	50	61	53	58	69	68	66	78	76	66	62.5
	MIN	32	28	27	26	41	46	34	32	40	33	44	42	47	41	37	34	39	41	30	43	34	30	33	30	31	40	33	37	42	40	44	36.5
RIVERDALE	MAX	44	40	47	56	67	58	51	65	67	66	66	71	74	58	65	56	69	65	57	62	43	47	62	50	56	70	66	66	74	80	66	60.8
	MIN	34	29	24	27	40	48	36	41	41	32	41	35	41	38	38	32	38	37	29	37	31	30	31	31	28	30	29	36	34	38	41	34.7
ROLLA	MAX	47	37	45	55	54	54	47	57	65	56	63	65	53	51	54	53	55	55	44	48	36	37	52	44	55	68	60	63	68	74	60	54.0
	MIN	34	27	28	24	37	40	36	39	37	31	43	38	39	40	34	35	35	32	35	34	28	26	27	26	21	27	27	36	28	38	37	32.9
RUGBY	MAX	45	43	47	57	62	60	48	62	68	64	66	66	60	56	62	61	60	60	57	56	56	38	55	52	56	73	64	67	74	80	67	59.4
	MIN	35	29	23	28	40	44	38	44	42	30	41	33	43	32	38	31	39	33	37	38	32	30	30	32	27	30	26	43	35	40	40	34.9
SANISH	MAX	39	43	42	47	58	67	56	48	75	58	68	67	76	74	55	62	52	58	63	56	57	36	50	60	50	56	64	68	64	75	80	58.8
	MIN	31	30	20	20	23	36	39	36	38	28	28	28	32	32	40	37	31	31	34	30	30	31	32	30	30	28	30	29	29	30	32	30.9
SHARON	MAX	46	42	44	54	59	55	46	50	65	60	65	56	58	59	56	64	63	61	50	66	42	43	45	45	57	65	60	65	75	71	65	56.5
	MIN	36	30	25	29	34	41	40	38	40	35	41	43	46	39	42	43	34	41	35	33	34	28	25	30	25	36	30	42	38	45	41	36.1
STANLEY	MAX	40	40	45	56	65	55	46	69	61	65	62	71	69	52	60	48	59	62	51	52	34	49	57	48	57	64	62	63	71	75	57	56.9
	MIN	28	21	20	22	32	35	33	37	35	29	29	31	40	37	34	22	35	33	30	31	28	29	30	25	28	27	22	33	28	32	24	29.7
STEELE	MAX	43	39	42	58	67	63	46	62	69	65	67	71	77	60	75	58	57	70	54	68	48	42	58	49	63	75	67	75	79	83	57	61.5
	MIN	34	27	23	23	36	43	35	40	28	38	39	30	43	39	35	34	37	31	29	39	31	29	28	29	24	33	26	26	36	35	41	32.9
TOWNER	MAX	46	42	48	59	65	62	49	66	69	60	66	68	64	59	65	65	69	65	59	57	45				75	62	67	75	82	59	61.8
	MIN	29	27	22	23	38	42	34	34	39	28	36	28	38	29	31	28	37	28	27	35	28	27	28	29	25	23	35	32	32	34	22	30.6
TURTLE LAKE	MAX		42	44	55	65	59	50	62	71	63	66	71	73	61	67	57		65	56		45	43	58	52	56	72	65	59	78	80	66	60.8
	MIN	35	29	23	27	42	46	35	41	41	29	38	32	39	39	35	32		34	29	37	30	31	30	30	24	30	24	40	32	36	39	33.6
UNDERWOOD 12 W	MAX	45	45	47	68	69	60	47	67	67	66	67	72	75	67	66	58	70	67	57	64	44	47	63	51	50	70	65	69	77	84	63	62.2
	MIN	34	29	22	27	37	47	37	42	38	27	46	30	37	35	36	35	36	32	30	33	31	29	28	27	25	26	23	23	29	30	41	32.3
UPHAM WILDLIFE REFUGE	MAX	49	44	52	56	65	60	54	63	72	62	69	69	63	60	59	56	60	59	53	55	43	39	59	48	58	72	63	69	77	81	70	60.0
	MIN	32	30	21	23	33	42	36	42	41	26	35	29	42	32	38	27	39	33	37	39	33	31	30	30	29	25	23	38	29	38	37	32.9
VALLEY CITY	MAX	47	43	45	57	64	58	58	51	69	63	66	65	65	61	70	68	62	63	61	70	59	43	49	46	64	66	62	67	78	75	73	60.9
	MIN	37	33	26	27	37	40	38	39	37	29	43	30	40	36	41	37	29	40	35	33	33	29	30	32	19	35	30	46	31	36	43	34.5
VAN HOOK	MAX	42	41	47	57	68	61	52	71	65	69	67	74	74	64	62	55	60	64	60	59	43	50	66	48	55	62	67	66	76	81	59	60.8
	MIN	30	29	20	24	34	47	38	39	42	29	33	33	37	43	37	28	38	35	29	31	31	31	31	28	30	27	19	38	29	33	41	32.6
VELVA	MAX	44	41	45	57	62	60	52	64	67	62	65	71	66	58	66	61	68	64	57	55	43	42	58	46	61	71	66	67	75	83	66	60.1
	MIN	34	30	25	29	38	44	37	42	44	34	40	33	38	36	38	30	37	35	37	35	32	29	29	30	25	29	25	37	31	34	38	34.0
WAHPETON STATE SCHOOL	MAX	46	43	49	56	63	66	61	50	70	67	66	66	70	61	70	69	69	67	60	73	68	44	43	51	62	68	68	69	80	79	72	62.8
	MIN	39	32	28	28	40	45	40	39	39	36	45	34	44	36	42	46	33	48	36	35	40	32	32	33	26	42	36	35	37	44	41	37.5
WASHBURN	MAX	45	43	48	58	68	59	52	64	69	65	69	72	76	62	69	61	71	68	55	64	48	45	60	54	58	70	67	69	80	78	66	62.4
	MIN	37	30	33	28	40	50	37	42	41	32	40	36	42	43	39	32	37	39	30	41	32	32.	32	32	32	34	52	42	38	42	43	37.4
WATFORD CITY	MAX	42	43	49	59	70	59	52	72	64	69	68	77	73	65	62	53	59	69	60	55	44	50	60	52	58	67	69	65	76	77	64	61.4
	MIN	28	28	24	22	39	45	35	30	44	29	39	34	42	40	36	30	40	37	26	32	32	31	36	26	29	32	29	36	34	34	39	33.5
WESTHOPE	MAX	47	43	50	53	61	58	49	63	64	59	66	68	62	56	57	54	59	58	48	47	43	38	52	50	57	71	67	65	73	77	67	57.5
	MIN	33	38	22	25	38	44	36	38	38	31	37	34	38	33	37	29	39	32	35	35	32	30	30	28	27	30	26	38	30	40	39	33.6
WILLISTON W8 CITY	MAX	39	43	47	56	66	57	48	73	61	70	67	71	74	55	58	48	58	65	58	49	38	50	58	50	57	65	69	66	70	73	53	58.5
	MIN	30	31	24	29	40	39	36	36	40	36	42	36	42	44	39	30	39	36	30	37	33	33	34	27	35	35	29	40	38	37	37	35.3
WILLOW CITY	MAX	48	40	50	60	60	61	52	62	68	60	66	67	58	57	60	55	60	62	50	55	40	39	56	46	57	72	67	61	73	82	57	58.1
	MIN	33	29	22	26	38	41	37	42	41	27	35	27	37	32	37	28	36	30	37	37	31	29	30	24	18	23	19	43	24	33	39	31.8
WILTON RR STATION	MAX	38	41	37	43	54	66	60	44	59	66	61	65	69	74	47	52	66	69	65	52	63	36	39	53	46	56	69	65	65	76	76	57.2
	MIN	33	27	24	23	27	37	35	34	38	30	30	37	39	39	37	33	32	33	29	28	31	29	28	29	27	30	33	34	35	38	41	32.3
WISHEK	MAX		36	33	45	48	63	54	44	59		63	66	72	79	59	74	60	69	69	58	69		44	55	49	62	69	66		77	83	60.2
	MIN		30	24	22	29	37	38	36	37	26		27	42	38	40	36	32	37	34	35	32		30	31	22	33	22	39		31	39	32.6

EVAPORATION AND WIND

Table 6

Station		Day of month																													Total or ave
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Riverdale	EVAP	.03	-	-	-	-	.14	.22	.11	.12	.20	.13	.16	.17	.15	.07	.12	.12	.11	.01	.19	.17	.01	.08	.12	.15	.08	.09	.27	.20	.13	.18	4.05B
	WIND	88	79	94	122	125	134	218	140	203	135	153	82	88	92	130	131	126	127	80	128	108	112	147	220	146	75	66	284	148	83	101	3965

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Almont 7 SW	SNOWFALL		6.0																				2.0									
	SN ON GND		4	2																			2									
Amenia	SNOWFALL		T																													
	SN ON GND																															
Ashley	SNOWFALL		0.5																				1.0									
	SN ON GND		1																													
Beach	SNOWFALL		2.0																				T						T			
	SN ON GND		1																													
Bismarck WB AP	SNOWFALL	0.2	3.3																			0.3	1.0									
	SN ON GND		T																													
Carson 2 SW	SNOWFALL		6.0																				0.1									
	SN ON GND		4	1																												
Center	SNOWFALL		5.0																													
	SN ON GND		5																													
Crosby	SNOWFALL																					1.0										
	SN ON GND																					1										
Devils Lake WB City	SNOWFALL		4.9																			T		T								
	SN ON GND		3	T	T																											
Dickinson CAA AP	SNOWFALL	2.2	1.5																			2.4	0.1									
	SN ON GND		2																			T	T									
Dunn Center	SNOWFALL		2.5																				T									
	SN ON GND		3																				T									
Edgeley Exp Farm	SNOWFALL		T																				1.5									
	SN ON GND																															
Ellendale	SNOWFALL		0.5																				0.5									
	SN ON GND																															
Fargo WB AP	SNOWFALL		1.0																													
	SN ON GND																															
Fessenden	SNOWFALL		4.3																													
	SN ON GND		3	1																												
Forman	SNOWFALL		5.0																				1.3									
	SN ON GND		2																				1									
Fort Yates	SNOWFALL		4.0																													
	SN ON GND		T	T																												
Grafton St School	SNOWFALL		2.0																													
	SN ON GND		-																													
Grand Forks CAA AP	SNOWFALL		2.7																													
	SN ON GND		T																													
Hettinger	SNOWFALL		4.0																													
	SN ON GND		-																													
Jamestown CAA AP	SNOWFALL		2.6																													
	SN ON GND		T																													
Langdon Exp Farm	SNOWFALL		4.0																													
	SN ON GND		4	2																												
Marmarth	SNOWFALL	1.0	4.0																				T									
	SN ON GND	1	1	1																												
Mayville	SNOWFALL		2.0																													
	SN ON GND		T																													
Mc Clusky	SNOWFALL		3.0																													
	SN ON GND		3																													
Medora T R N M P	SNOWFALL		2.0																				T									
	SN ON GND		2	1																			T									
Minot CAA AP	SNOWFALL		T					T														1.0										
	SN ON GND																					T										
Mohall	SNOWFALL																					T	T									
	SN ON GND																															
Mott	SNOWFALL		5.0																				1.0									
	SN ON GND		2																													
Napoleon 1 SE	SNOWFALL		3.0																				2.0									
	SN ON GND		1																													
Parshall	SNOWFALL		T																				T									
	SN ON GND																															
Petersburg	SNOWFALL		4.2																													
	SN ON GND		-																													
Pettibone	SNOWFALL		3.0																				0.5									
	SN ON GND		1	T																												
Portal	SNOWFALL	T																				3.0	T									
	SN ON GND																					3										
Richardton Abbey	SNOWFALL	T	4.7																			T	2.0									
	SN ON GND	T	2	1	T																		T									
Rolla	SNOWFALL		4.0	T																		5.0										
	SN ON GND		-																			-										
Rugby	SNOWFALL		3.0																													
	SN ON GND		3																													
Sharon	SNOWFALL		2.0	T																		T										
	SN ON GND		2	T																												
Steele	SNOWFALL		3.0																				2.0									
	SN ON GND		1	-	-																											

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Upham Wildlife Ref	SNOWFALL		-																			T	T									
	SN ON GND		-																													
Velva	SNOWFALL		4.0																			0.5	T									
	SN ON GND		2	T																		T	T									
Wahpeton St School	SNOWFALL																						7.0									
	SN ON GND																						-									
Watford City	SNOWFALL																					T										
	SN ON GND																															
Williston WB City	SNOWFALL																					0.1										
	SN ON GND																															

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Adams 7 S	0022	Walsh	10	48 20	98 08			7A	Myron J. Bata	3
Alexander RR Station	0088	McKenzie	13	47 50	103 38	1200		8A	Arthur J. Bauman	3
Almont 7 SW	0136	Morton	4	46 43	101 38	2300	7P	7P	Bogan Raasland	2 3 5 7
Alpha 1 S	0148	GoldenValley	7	46 37	103 49			7P	B. A. Bury	3
Ambrose	0188	Divide	12	48 58	103 28	2060		5P	Ronald L. Ranson	3
Amenia	0188	Cass	11	47 00	97 13	980	8S	8S	Virgil L. Gebeke	2 3 5 7
Amidon	0209	Slope	1	46 30	103 19	2810	8A	8A	Tafield Zundel	2 3 4 5
Antler	0263	Kottineau	12	48 58	101 20	1540			W. H. Wegner	3 4
Arvilla State Park	0369	Grand Forks	10	47 58	97 30	860	6P	6P	Aihert Thoren	2 3 5
Ashley	0382	Mcintosh	8	46 02	99 22	2025	8A	8A	Soo Line Agent	2 3 4 5 7
Baldhill Dam	0450	Barnes	11	47 02	98 05	1300	8A	8A	F. A. Johnson	2 3 5
Balfour	0482	McHenry	12	47 57	100 32	1815		M1D	Raymond E. Meiler	3 4
Balta	0500	Pierce	11	48 10	100 02			6P	Nick Schman	3
Bantry	0516	McHenry	12	48 30	100 36		.	6P	Temple K. Roberts	3
Beach	0590	GoldenValley	7	46 55	104 01	2814	6P	6P	Luther F. Bodgin	2 3 4 5 7
Belcourt Indian Res.	0626	Rolette	9	48 50	89 45	1960	7P	7P	Turtle Mt. ind. Ag.	2 3 4 5
Belfield	0839	Stark	4	46 52	103 11	2592	7P	7P	Carl indergaard	2 3 5
Berthold	0729	Ward	12	48 19	101 44	2080		6P	Joseph B. Coa	3
Beulah	0763	Mercer	6	47 16	101 47	1780		7P	Keife Stw. Coal Co.	3 4
Binhee	0798	Towner	2	48 37	99 22	1800	6P	8P	Robert J. Krick	2 3 5
Bismarck WB City	0814	Burleigh	8	46 48	100 48	1670	5P	5P	U.S.Weather Bureau	2 3 5
Bismarck WB Airport	0819	Burleigh	8	46 46	100 45	1650	M1D	M1D	D.S.Weather Bureau	2 3 4 5 7
Bottineau	0841	Bottineau	12	48 50	100 27	1638	8A	8A	N.D. Schl of Frstry	2 3 5
Bowhelis	0861	Burke	12	48 48	102 15	1953	8A	8A	Feiix L. Adams	2 3 5 7
Bowman Court House	0995	Bowman	3	46 11	103 23	2872	5P	5P	D. E. Book	2 3 4 5
Breien	1052	Morton	1	46 24	100 57	1720		M1D	Frank E. Potter	3 4
Butte	1225	McLean	12	47 50	100 40	1880	5P	5P	Art F. Peterson	2 3 5
Cando	1288	Towner	2	48 29	99 12				Harry S. Harris	3 4
Carrington	1380	Foster	5	47 27	99 08	1579	7A	7A	Soo Line Agent	2 3 5
Carson	1365	Grant	4	46 25	101 34	2300		M1D	Vincent Muggli	3 4
Carson 2 SW	1370	Grant	4	46 23	101 35	2500	7P	7P	J. W. Evens	2 3 5 7
Cavalier	1435	Pembina	9	48 48	97 38	894	5P	5P	T. W. Thorsteinson	2 3 5
Center	1458	Oliver	8	47 07	101 18	2100	7P	7P	Fred L. Heinz	2 3 5 7
Colgate	1686	Steele	10	47 14	97 39	1180		6P	John P. Burchill	3
Columbus	1896	Burke	12	48 54	102 47	1930		6P	J. D. Sundell	3
Cooperetown	1798	Griggs	11	47 28	98 07	1428	5P	5P	R. J. Lockner	2 3 5
Courtenay	1R16	Stutsman	5	47 13	98 34	1523		6P	G. E. Hanawalt	3
Crosby	1471	Divide	12	48 54	103 18	1954	7A	7A	Vernoe V. Nichole	2 3 4 5 7
Dawson	2018	Kidder	8	46 52	99 45	1730		M1D	Ralph W. Wiee	3 4
Devile Lake WB City	2158	Ramsey	2	48 07	98 52	1471	M1D	M1D	U.S.Weather Bureau	2 3 4 5 7
Dickieson CAA AP	2183	Stark	4	46 48	102 48	2587	M1D	M1D	U.S.Civil Aero Adm	2 3 4 5 7
Dickinson Exp. Station	2188	Stark	4	46 53	102 48	2460	7A	7A	Leroy Moomas	2 3 5 6
Donnybrook	2242	Ward	12	48 31	101 53	1790		8P	William Bowman	3
Drake	2298	McHenry	12	47 55	100 22	1834	7A	7A	Paul Kuntz	2 3 5
Dunn Center	2365	Dunn	6	47 21	102 37	2191	6A	8A	Charles C. Neustel	2 3 5 7
Duneeith St. Sanitarium	2385	Rolette	12	48 50	100 02	2001	5P	6P	N. D. State Hospital	2 3 5
Eckman	2472	Bottineau	12	48 38	101 03	1500	7A	7A	S. R. Sherman	2 3 5
Edgeley Exp. Farm	2482	La Moure	5	46 20	98 42	1568	8A	8A	N.D. Agri. Exp. Sta.	2 3 4 5 6 7
Edmore 1 W	2525	Ramsey	2	48 25	98 29	1524	8P	8P	Mike Davis	2 3 5
Elhowoods	2570	McLean	8	47 35	102 08	2082	6P	8P	N. W. Case	2 3 5
Elgin 5 S	2592	Grant	1	46 21	101 49			6P	Art A. Eslinger	3
Ellendale	2605	Dickey	5	46 00	98 31	1480	8P	8P	Paul Grese	2 3 5 7
Epping	2735	Williams	8	48 18	103 21	2224	6P	9P	T. Seachler	2 3 5
Esmond	2767	Benson	11	48 02	99 46	1650		M1D	Lyle O. Fering	3 4
Fairfield 8 N	2809	Billinge	7	47 19	103 12	2650		6P	Mrs. Edith Larson	3
Fargo WB Airport	2959	Cass	10	46 54	99 48	885	M1D	M1D	D E Weather Bureau	2 3 4 5 7
Fessenden	2949	Wells	5	47 39	99 37	1610	6P	6P	John V. Zuber	2 3 5 7
Flasher	3009	Morton	1	46 29	101 14	1930		8A	George M. Sinclair	3
Flaxton	3019	Burke	12	48 54	102 23	1840		6P	Palmer M. Dunham	3
Forman	3117	Sargent	10	46 06	97 38	1249	6P	9P	Art Waterman	2 3 5 7
Fort Yates	3207	Sioux	8	46 06	100 38	1840	8S	8S	Stand Rk indian Agy	2 3 4 5 7
Foxholm Wildlife Refuge	3217	Ward	12	48 27	101 33	1609	5P	5P	U S Wildlife Refuge	2 3 5
Fryburg	3277	Billings	4	46 53	103 18	2790		7A	Herman J. May	3 4
Fullerton	3287	Dickey	5	46 10	98 25	1439	6P	6P	F. D. Allin	2 3 5
Gackle	3309	Logan	5	46 38	99 08	1951	6P	6P	David R. Raxm	2 3 5
Garrison	3376	McLean	8	47 38	101 25	1911	M1D	M1D	George J. Mahosald	2 3 5
Gladstone 22 N	3446	Dunn	6	47 11	102 39				Richard Kelley	3 4
Glen Ullin	3496	Morton	4	46 49	101 49	2090		M1D	Louis N. Gauer	3 4
Golva 1 SS	3558	GoldenValley	7	46 47	103 57	2780		M1D	U.S.Civil Aero Adm	3 4
Grafton State School	3584	Walsh	10	48 25	97 26	827	5P	5P	Dr. J. C. Lamont	2 3 5 7
Grand Forks CAA AP	3818	Grand Forks	10	47 59	97 05	834	M1D	M1D	U S Civil Aero Adm	2 3 4 5 7
Grand Forks University	3631	Grand Forks	10	47 55	97 05	830	M1D	7P	University of N. D.	2 3 5
Grano	3676	Renville	12	48 37	101 35	1625		M1D	Robert J. Decker	3 4
Granville	3689	McHenry	12	48 19	100 51	1950	7P	7P	Soo Line Agent	2 3 5
Grasey Butte	3698	McKenzie	7	47 24	103 14	2860			Sam Charchenko	3 4
Grenora	3736	Williams	8	48 37	103 56	2114	5P	5P	L. D. Nielson	2 3 5
Haley	3836	Bowman	3	46 58	103 08				J. E. Crawford	3 4
Halliday	3846	Dunn	6	47 21	102 20	2073		6P	John Kiese	3 4
Hankinson RR Station	3908	Richland	10	46 04	99 54	1068	7A	7A	Soo Line Agent	2 3 5
Hannaford	3929	Griggs	11	47 18	98 12	1428		M1D	Belen Benson	3 4
Hannah	3939	Cavalier	9	48 59	98 41	1570	6P	8P	D S Customs Office	2 3 5
Exnsboro	3963	Towner	9	48 57	99 23	1597	7P	7P	W. E. Disher	2 3 5
Harvey Water Works	4013	Wells	11	47 45	99 53	1598		6P	B. J. Reynolds	3
Hayden 6 NE	4073	Adams	1	46 01	102 24	2840		M1D	Byron B. Bohh	3 4
Hazelton RR Station	4083	Emmons	8	46 29	100 17	1978		M1D	Ephrain Zacher	3 4
Hettinger	4178	Adams	3	46 00	102 38	2680	6A	6A	Gerhard Chriutianson	2 3 4 5 7
Hillsboro	4203	Traill	10	47 24	97 04	901	6P	8P	Alfred Jahnke	2 3 5
Burdefield	4343	Wells	5	47 27	99 55	1915		M1D	Mrs. Ruth Buchsitz	3 4
Jamestown CAA AP	4413	Stutsman	5	46 55	88 41	1497	M1D	M1D	U S Civil Aero Adm	2 3 4 5 7
Jamestown State Hospital	4418	Stutsman	5	46 53	88 40	1457	7P	7P	N.D. State Hospital	2 3 5
Kenmare	4846	Ward	12	48 40	102 05	1800	8A	8A	Theo E. Eckberg	2 3 4 5
Kensal Wildlife Refuge	4656	Stutsman	5	47 15	98 52	1440	7P	7P	D S Wildlife Refuge	2 3 5
Killdeer 8 NW	4726	Dunn	7	47 29	102 53	2240		7A	Leonard J. Davis	3
Kramer 5 SE	4823	Bottineau	12	48 39	100 37			M1D	Paul A. Kretschmar	3 4
La Moure	4937	La Moure	5	46 21	98 18	1382	7P	7P	Andrew Remick	2 3 5
Langdon Exp. Farm	4858	Cavalier	9	48 45	98 21	1615	5P	5P	V. Sturlaugson	2 3 5 7
Lansford	5002	Kottineau	12	48 38	101 22	1600		6P	C. L. McKeen	3
Larimore	5013	Grand Forks	10	47 54	97 38	1134	7P	7P	Elen Peterson	2 3 5
Leeds	5078	Benson	2	48 17	99 28	1515	7P	7P	John Fager	2 3 5
Lefor 10 E	5088	Stark	4	46 38	102 21	2580		5P	Joseph Link	3
Linton	5210	Emmons	8	46 16	100 14	1711	8P	8P	William Beyerman	2 3 5 7
Lisbon	5220	Ransom	11	46 26	97 41	1091	7A	7A	Robert M. Jodsaas	2 3 5 7
Maddock Agri. School	5434	Benson	11	47 58	99 30	1604	9P	6P	Benson Cy Agr Schl	2 3 5
Mandan Exp. Station	5479	Morton	4	46 48	100 54	1750	8A	8A	No G.P. Field Sta.	2 3 4 5 6
Mandan Ft. Lincoln Park	5484	Morton	8	46 47	100 52	1700	6P	9P	Park Supt.	2 3 5
Manning	5519	Dunn	6	47 14	102 46			6P	CLOSED - - - - -	4/1/50
Marmarth	5573	Slope	7	46 18	103 55	2714	6P	8P	G. P. Grane	2 3 5 7
Marmarth M D U Co.	5575	Slope	7	46 18	103 55	2710			S. E. Jestnes	3 4
Martin	5810	Sheridan	11	47 50	100 07	1810		6P	John W. Magnuson	3
Max	5638	McLean	8	47 49	101 17	2093	7A	7A	Soo Line Agent	2 3 5
Mayville	5860	Traill	10	47 30	97 19	975	9P	8P	E. A. Ragaz	2 3 5 7
McClusky	5710	Sheridan	8	47 29	100 29	1943	6P	6P	Elmer L. Schielke	2 3 5 7
McCregor RR Station	5720	Williams	8	48 38	103 56	.		M1D	Hartvin Rermannson	3 4
McHenry 5 N	5730	Eddy	11	47 38	98 35	1509	8P	8P	C. E. Hlasky	2 5 5 7
McLeod 3 E	5754	Richland	11	48 24	97 14	1075	7P	7P	J. G. Carlson	2 3 5
McVille	5794	Nelson	10	47 48	88 11	1497		,9P	E. H. Keiefel	3
Medina 1 W	5798	Stutsman	8	49 63	99 18			6P	Rudolph Oraf	3
Medora TRNKP	5813	Billinge	7	46 58	103 30	2250	5P	5P	U S Forest Service	2 3 5 7
Melville	5833	Foster	5	47 20	99 02	1825		M1D	Edgar S. Stegmeier	3 4
Minot CAA AP	5998	Ward	12	48 15	101 17	1724	M1D	M1D	U S Civil Aero Adm	2 3 4 5 7
Minot Exp. Farm	5893	Ward	12	48 10	101 18	1720	6P	8P	N C Agri Exp Sta	2 3 5
Moffit RR Station	6015	Burleigh	8	46 41	100 18	1760		9A	Soo Line Agent	3
Mohall	6025	Renville	12	48 48	101 31	1638	9P	8P	Iver Johnson	2 3 5 7
Montpelier	6105	Stutsman	5	49 42	88 35			8A	Rolf Bannon	3
Mott	9155	Hettinger	1	48 23	102 20	2420	B8	8S	Forrest E. Coffing	2 3 4 5 7

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Munich 4 SW	8185	Cavalier	2	48 38	88 53	1598	7P	7P	Harold Feldner	2 3 5
Napoleon 1 SE	6255	Logan	8	46 29	99 45	1955	7P	7P	Gladys J. Peterson	2 3 4 5 7
New England	8315	Hettinger	1	46 33	102 52	2621	5P	5P	Adna B. Datch	2 3 5
New Rockford	6350	Eddy	5	47 41	99 08	1555		8A	CLOSED ---------	10-23-50
New Rockford 7 WNW	6355	Eddy	5	47 33	99 16	1550		6P	Richard Stelnbach	3
New Salem 1 S	6365	Morton	4	46 50	101 25	2163	8P	9P	William F. Gaebe	2 3 5
Noonan	6455	Divide	12	48 53	103 01	1960		6P	George Kostek	3
Northgate	6535	Burke	12	48 00	102 16	1850			U S Customs Statioe	3 4
Oakes	6620	Dickey	5	46 08	98 05	1320	8A	8A	C. M. Hagen	2 3 4 5
Park River	6857	Walsh	10	48 23	97 45	996	5P	5P	Martin Severson	2 3 5
Parshall	6867	Mountrail	8	47 57	102 08	1928	6P	6P	C. E. Shuhert	2 3 5 7
Pembina 2 N	6847	Pembina	10	49 00	97 14	780	7A	7A	U.S.Customs & Immig	2 3 4 5 7
Peterburg	7027	Nelson	10	48 01	98 00	1524	5P	5P	Rev. Dosan Monson	2 3 5 7
Pettibone	7047	Kidder	8	47 07	99 31	1860	7P	7P	L. H. Detbioff	2 3 5 7
Portal	7201	Burke	12	49 00	102 33	1954	8A	9A	U S Customs Ser.	2 3 5 7
Posere Lake 1 N	7281	Burke	8	48 34	102 38	2205	7P	7P	Herbert J. Clark	2 3 5 7
Pretty Rock	7311	Grant	1	48 11	101 51			6P	Freda Leer	3
Rauh	7405	McLean	8	47 44	102 04			M1D	Alvin Larson	3 4
Reeder	7450	Adams	3	46 06	102 57	2810		6P	Henry A. Doeper	3
Reeder 14 N	7452	Slope	1	46 19	102 57	2860		8A	Chas. M. Metzinger	3
Richardton Abbey	7530	Stark	4	46 53	102 19	2467	5P	5P	Assumption Abbey	2 3 4 5 7
Riverdale	7585	McLean	8	47 30	101 24	1910	5P	5P	Corps of Engineers	2 3 4 5 6 7
Rolette	7655	Rolette	12	48 40	99 50	1625	M1D	M1D	George F. Gehres	3 4
Rolla	7664	Rolette	9	48 52	99 37	1860	7P	7P	Theo D. Fagerlund	2 3 5 7
Rugby	7704	Pierce	12	48 22	100 00	1560	8P	6P	Frank Hornstein	2 3 5 7
Ryder	7749	Ward	8	47 55	101 40	2108		9A	S. C. Schellenbaum	3 4
Sanish	7834	Mountrail	8	47 59	102 32	1835	7A	7A	H. J. Kugge	2 3 5
Sarles	7644	Cavalier	9	48 57	99 00	1565		M1D	Clarence J. Dleon	3 4
Selfridge 11 W	7952	Sioux	8	46 01	101 10	2183		7P	L. E. Wilson	3
Sharon	7986	Steele	10	47 36	97 54	1518	8P	8P	Hugh Lyon	2 3 5 7
Sherwood	8047	Renville	12	49 00	101 38	1647		8P	D S Customs Service	3
Sheyenne	8057	Eddy	11	47 50	99 07	1500		M1D	Pehr A. Petereon	3 4
Shield	8065	Grant	1	46 14	101 07			6P	Edwin O. Carleon	3
Stanley	8276	Mountrail	8	48 19	102 24	2260	7P	7P	Leroy Edsarde	2 3 4 5 7
Steele	8366	Kidder	8	46 51	99 55	1857	8P	8P	Leon V. Leeher	2 3 5 7
Tague	8627	Mountrail	12	48 20	101 56	2179		6P	George N. Pilgard	3
Tioga	8737	Williams	8	48 24	102 56	2279		6P	L. A. Simon	3
Tolley 4 NE	8764	Renville	12	48 46	101 47			6P	Carele Nelson	3
Towner	8792	McHenry	12	48 21	100 24	1482	7P	7P	August E. Rieder	2 3 5
Trotters 3 S	8807	GoldenValley	13	47 17	103 54	2419		5P	John D. Neilermoe	3
Trotters Gen. Store	8812	GoldenValley	13	47 20	103 54	2420		M1D	Eugene A. Russell	3 4
Turtle Lake	8840	McLean	8	47 31	100 53	1899	7P	7P	Art Kiungtvedt	2 3 5
Tuttle 8 SW	8850	Kidder	8	47 02	100 04	1936		8P	Adam Leno	3
Underwood 12 W	8877	McLean	8	47 26	101 24	1750	6P	6P	Mre. F. W. Mattoon	2 3 5
Upham Wildlife Refuge	8913	McHenry	12	48 37	100 44	1425	5P	5P	U S Wildlife Refuge	2 3 5 7
Valley City	8937	Barnes	11	46 55	98 00	1229	6P	6P	Miss I.C.Robertson	2 3 5
Van Hook	9970	Mountrail	8	47 57	102 21	1864	9P	9P	Erain A. Ventech	2 3 5
Velva	9990	McHenry	12	48 03	100 55	1511	6P	6P	Oscar Anderson	2 3 5 7
Verona	9035	La Moure	5	46 22	98 04			10A	Louis J. Frandeon	3
Wahpeton Power Plant	9095	Richland	10	46 17	96 36	962		M1D	Victor Burton	3 4
Wahpeton State School	9100	Richlaed	10	46 16	98 36	962	5P	5P	St Sch of Science	2 3 5 7
Walhalla	9155	Pembina	9	48 56	97 54	950		7P	Joseph A. Menier	3
Washburn	9195	McLean	8	47 17	101 02	1731	9P	6P	Fred F. Jefferie	2 3 5
Washburn Water Works	9205	McLean	8	47 17	101 02	1730			Washburn Water Wks	3 4
Watauga 8 N, S. Dak.	9219	Grant	1	46 02	101 34			6P	John C. Splcer	3
Watford City	9233	McKeezie	8	47 48	103 17	2084	8P	8P	J. C. Zeller	2 3 5 7
Weethope	9333	Bottineau	12	48 55	101 01	1508	6P	6P	Rev. R. Carey	2 3 5
Wildrose	9400	Williams	8	48 38	103 10	2258		6P	Jonathae Winkjer	3
Williston WB City	9425	Williams	8	48 09	103 35	1877	M1D	M1D	U S Weather Bureau	2 3 4 5 7
Willos City	9445	Bottineau	12	48 38	100 17	1471	8P	8P	D. M. Sanderson	2 3 5
Wilton RR Station	9455	McLean	8	47 09	100 48	2159	8A	8A	Soo Line Agent	2 3 5
Wishek	9515	Mcintosh	8	46 16	99 34	2010	8A	8A	H. M. Larson	2 3 5
Zahl	9635	Williams	8	48 34	103 41	2000		6P	Ola Severtsen	3

NEW STATIONS

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Boshells 5 E	0966	Ward	12	48 47	102 08	1925	8A	8A	Development Farm	2 3 5 6 7
Glen Dllin 18 N	3501	Mercer	6	47 04	101 47			6P	Adam M. Heier	3
Golden Valley 10 S	3529	Mercer	6	47 10	102 03			6P	Robert H. Backfisch	3
Grasey Butte 10 N	3701	McKenzie	7	47 31	103 14			6P	Edsel G. Criet	3
Keene	4571	McKenzie	8	48 00	102 55			6P	Donald W. Lund	3
Watford City 11 E	9236	McKenzie	8	47 47	103 02			M1D	Ida Peterson	3 4
Grand Rapids 1 N	3665	La Moure	5	46 29	98 21	1390	6P	6P	Albert J. Neee	2 3 5

‡ Drainage Code: 1. Cannonball 2. Devils Lake 3. Grand 4. Heart 5. James 8. Knife 7. Little Missouri 8. Missouri 9. Pembina 10. Red 11. Sheyenne 12. Sourie 13. Yellowstone

Reference Notes for this issue may be found on Page 166.

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U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

NORTH DAKOTA

NOVEMBER 1950
Volume LIX No. 11



KANSAS CITY: 1951

Nat.
HIST.

NORTH DAKOTA - NOVEMBER, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

November was a cold month. Precipitation averaged below normal but with snowfall above the average Heavy snow in the central part of the state brought full scale winter conditions about the middle o the month.

With every station in the state reporting below normal temperatures, the mean temperature was 5.8 below the average for the month. The mean temperature of 21.6° for the state is the coldest since 193 and is more than 15° colder than November 1949. The mean temperature of 21.8° in the eastern divisio is 5.0° below normal. In the middle division was recorded the coldest mean temperature with 20.5 which is 6.2° below the normal. The warmest section of the state was the western division with 22.5 recorded, although this is still 6.1° below the normal. The absolute range of temperature was 93 from 70° at Lisbon, Wahpeton and Forman in the southeast portion of the state on.the 5th to 23° belo zero at Parshall and Elbowoods on the 24th. Marked cold waves occurred during the periods 8th throug the 12th and 18th through the 25th; the latter period was the coldest with temperatures dipping fa below zero and accompanied by strong northwesterly winds particularly on the 22nd.

Precipitation during the month, although averaging below normal for the state, was quite variable an was predominantly in the form of snow. As a result snowfall for the month averaged above normal. Pre cipitation over the state averaged .49 inch or .12 inch below normal. In the eastern division the av erage was .50 inch for a deficiency of .22 inch. In the middle division it amounted to .53 inch on th average or .06 inch below the normal. The western division was .08 inch below normal with an averag value of .44 inch. The greatest monthly precipitation was 1.41 inches recorded at the station twelv miles west of Underwood. The least monthly precipitation was a trace reported at Crosby. The greates daily amount of precipitation was 1.05 inches at Turtle Lake on the 15th. Riverdale reported 1.0 inch on that day. Falling as snow, this heavy precipitation resulted in snow accumulating up to 1 inches deep at Underwood by the 16th and to 13 inches at Riverdale. Snowfall during the month wa heaviest at many points in the central portion of the state. Underwood recorded 21.1 inches of sno during the month for the greatest amount and many stations reported over 10 inches. The average snow fall for the month was 5.8 inches compared with the long-time average of 4.7 inches.

November was a rather stormy month and outdoor work was rather disagreeable a large part of the time High winds on the 5th throughout the state caused dust storms in many areas. Some damage to buildings windows and hay stacks was caused by the winds. At Bismarck peak speed of gusts up to sixty miles pe hour were observed. On the 8th high winds, accompanied by considerable snow and blowing snow, agai occurred, bringing near blizzard conditions to parts of the east portion. Fargo reported the fastes single mile at 54 miles per hour for this storm. Again on the 15th heavy snow fell in the central par of the state with visibility at times reduced to less than one-fourth mile. This storm brought ful winter conditions to this section of the state. Many roads were blocked at this time and for the re mainder of the month and with any winds, driving became difficult. Snowfall up to 16 inches was re ported during this storm. Rather high northwesterly winds on the 22nd caused near blizzard condition in the central part of the state, slowing highway travel very much because of near zero visibility These winds were accompanied by rapidly falling temperatures to well below zero by the followin morning. Moderate northwesterly winds continued on Thanksgiving day diminishing by evening.--CJ

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ACKNOWLEDGMENTS

In addition to the climatological data from eome 6,000 Weather Bureau and cooperative weather etations, this hulletin eeriee contains records from Bydroclimatic Network Stations which were formerly reproduced in the Bydrologic Bulletin Seriee. The Hydroclimatic Network ie a nationwide net of rain gagee --mostly of the recording type which produce continuoue recorde of precipitation. It was eetabliehed in 1939 at the requeet of the Corps of Engineers, Department of the Army, to supplement exieting precipitation stations in order to provide records of rainfall intensity which were eeeential to the planning of flood control and related worke hy the Corps of Engineers. This Network, now numhering ahout 2,000 recording, and 1,000 non-recording rain gagee, has heen maintained hy the Weather Bureau through working funds traneferred annually to the Weather Bureau hy the Corpe of Engineere. Theee transfere averaged ahout $250,000 per year hetween 1940 and 1944, and nearly $375,000 eince that date. For the yeare 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in ite work, and since 1947 the Bureau of Reclamation has traneferred ahout $25,000 per year to meet the increaeing needs of their program in the Weetern Statee.

Previous to the introduction of this hulletin seriee, data from Bydroclimatic Network etatione were presented in hulletine (Hydrologic Bulletine) which were issued monthly for each of 8 drainage areae embracing the entire United States, hut since the Network wae eetahlished to meet the internal requiremente of the Federal agenciee referred to above, no provieion wae made for public diesemination of the data, distrihution heing limited to cooperating agenciee and to certain puhlic repositoriee. A liet of locatione where reference copiee of the Bydrologic Bulletin Seriee are availahle for inspection may he ohtained upon application to Chief, U. S. Weather Bureau, Waehington 25, D. C.

Many other records puhliehed in thie hulletin have heen made availahle through the cooperation of varioue puhlic officee, private agenciee, and individuals ae listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismarck WB Airport	WNW	15	10.3	50	NW	5	77	79	65	71	7	4	1	0	0	0	12	62	6.2	See Table 2
Devile Lake WB City	-	-	9.6	38	NW	5	-	-	-	-	14	4	2	0	0	0	20	43	6.4	
Fargo WB Airport	NNW	22	14.5	54	NW	8	75	75	63	69	15	5	2	0	0	0	22	40	6.3	
Willieton WB City	-	-	7.9	45	W	5	75	76	60	65	8	6	1	0	0	0	15	50	7.0	

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	22.3	75	-26	0.79	7.4	4
1893	22.4	74	-27	0.57	4.6	3
1894	23.1	71	-25	0.47	2.6	4
1895	20.6	76	-25	1.09	8.2	5
1896	8.1	62	-32	2.23	21.7	9
1897	20.0	86	-28	0.32	2.8	3
1898	23.0	69	-30	0.34	3.1	3
1899	36.0	68	2	0.31	1.0	2
1900	20.4	64	-29	0.32	5.2	5
1901	26.8	70	- 7	0.13	1.6	1
1902	29.6	69	-12	0.24	1.9	3
1903	25.3	78	-20	0.26	2.5	2
1904	35.7	80	-10	0.09	0.7	1
1905	31.6	88	-38	1.36	11.0	9
1906	23.8	68	-16	1.49	10.2	7
1907	30.2	85	-15	0.08	0.7	1
1908	31.1	75	-15	0.94	8.2	4
1909	29.4	88	-23	0.48	4.6	3
1910	23.9	68	-23	0.40	3.2	2
1911	16.7	58	-33	0.64	7.1	6
1912	31.8	70	1	0.07	0.5	1
1913	34.1	77	- 2	0.22	1.6	2
1914	30.7	83	-30	0.33	2.6	2
1915	28.1	71	-10	0.95	3.7	4
1916	28.8	75	-18	0.27	1.7	2
1917	36.8	77	- 7	0.13	1.4	1
1918	28.9	71	-18	0.96	5.3	4
1919	15.6	57	-36	1.15	11.8	5
1920	28.0	65	-14	0.34	2.1	3
1921	21.0	69	-30	0.69	6.3	5
1922	31.8	65	- 8	2.24	6.3	6
1923	36.5	72	- 5	0.47	0.6	3
1924	27.6	69	-15	0.18	1.9	2
1925	28.8	69	-17	0.24	1.3	2
1926	21.5	68	-23	0.62	6.2	5
1927	20.7	59	-24	0.69	7.1	6
1928	31.0	70	-11	0.48	0.2	1
1929	24.8	70	-21	0.53	5.2	5
1930	29.4	72	-21	0.87	6.2	5
1931	30.3	78	-10	0.55	5.0	3
1932	25.2	70	-17	0.51	4.6	4
1933	28.3	78	-15	0.65	6.6	5
1934	33.9	73	- 1	0.28	1.0	3
1935	17.2	57	-25	0.73	8.1	6
1936	28.0	69	-28	0.34	4.0	4
1937	25.2	73	-25	0.41	3.5	4
1938	23.8	75	-21	0.87	7.9	6
1939	34.9	74	- 4	0.03	T	1
1940	22.0	59	-28	0.59	7.1	6
1941	30.5	69	-17	0.40	3.6	5
1942	28.0	73	-14	0.18	1.5	3
1943	28.7	63	- 4	0.44	4.2	4
1944	27.1	70	-21	2.25	8.8	9
1945	22.3	75	-26	0.48	5.3	4
1946	25.3	68	-22	0.35	3.3	4
1947	22.5	63	-19	1.05	11.1	9
1948	29.4	68	-19	1.11	3.9	8
1949	37.1	75	-13	0.30	2.2	4
1950	21.6	70	-23	0.49	5.8	5
PERIOD	26.7			0.61	4.7	

CLIMATOLOGICAL DATA

Table 2

Station	Temperature									Precipitation								
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	No. of days Max. 90° or above	No. of days Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Snow, Sleet, Hail Max. depth on ground at obsn.	Snow, Sleet, Hail Date	No. of days .01 or more	No. of days .25 or more	No. of days 1.00 or more
EASTERN DIVISION																			
Amenia	23.9	-3.1	69	5	-11	23	1227	0	27	.62	- .06	.25	19	7.0	3	19+	4	1	0
Arvilla State Park	21.2		65	5	-11	23	1309	0	29	.32		.11	7				4	0	0
Carrington	21.0	-6.3	65	6	-16	24		0	29	.35	.30	.60	16	12.0			4	1	0
Cavalier	20.4	-4.3	64	5	-13	23	1333	0	30	.44	- .30	.34	8				2	1	0
Cooperstown	16.3	-11.0	57	5	-15	23	1456	0	30	.57	- .07	.25	9	5.2	2	9+	3	1	0
Devils Lake WB City	19.2	-5.3	63	5	-14	23	1368	0	30	.55	- .17	.23	7	8.6	5	8	6	0	0
Edgeley Exp. Farm	22.0	-7.3	63	6	-14	24		0	28	.11	- .41	.04	18	1.0	T	9+	4	0	0
Edmore 1 W	18.2 M	-6.4	63	5	-14	23	1405	0	30	.56	- .06	.30	8	8.2	6	9+	6	1	0
Ellendale	25.0	-3.4	69	5	-12	23	1196	0	28	.44	- .12	.09	22	5.3	2	22+	7	0	0
Fargo WB Airport //	22.3	-4.8	68	5	- 9	23	1274	0	29	.50	- .40	.25	8	4.9	2	9+	7	1	0
Forman	24.3	-4.3	70	5	-10	23	1217	0	27	.25	- .32	.10	8	2.5	1	8+	3	0	0
Fullerton	24.3 M	-4.7	69	5			1209	0	27	.48	- .23	.18	18	4.8	2	18	5	0	0
Gackle										.16	- .38	.08	16	3.0			5	0	0
Grafton State School	20.3 M	-4.7	63	5	-12	23	1334	0	30	1.06	.37	.72	8	8.5	8	8+	8	1	0
Grand Forks CAA AP //	28.5	2.7	65	5	-10	23	1316	0	29	.48	- .31	.14	8	4.7	3	23	9	0	0
Grand Forks University	21.9	-3.9	63	5	-10	23	1288	0	28	.49	- .30	.14	8	4.7	3	18+	7	0	0
Grand Rapids 1 N	23.7		68	5	-12	23	1235	0	28	.16		.10	8	3.7	3	8	2	0	0
Hankinson R.R. Sta.	24.2	-4.7	67	1	-10	23+		0	28	.06	- .59	.04	19				2	0	0
Sannah	18.2 M	-2.5	61	5	-16	23	1396	0	30	.85	.16	.46	8	8.5	7	8+	6	1	0
Hillsboro	23.0	-4.3	66	5	-12	23	1254	0	28	.44	- .32	.20	8				4	0	0
Jamestown CAA AP //	20.4	-6.9	67	5	-13	23	1330	0	30	.81	.14	.36	8	8.2	3	8+	8	1	0
Jamestown State Hospital	22.6	-4.7	67	5	-12	23	1265	0	29	.12	- .55	.03	3+	2.3			4	0	0
Kensal Wildlife	20.9		69	5	-14	24	1317	0	30	.62		.18	8	7.8	4	9	6	0	0
Langdon Exp. Farm	17.6	-6.1	60	5	-18	23	1413	0	30	1.27	.54	.72	8	11.4	9	9+	8	1	0
Lisbon	22.8	-6.0	70	6	-13	23+		0	28	.54	- .09	.41	9				4	1	0
Mayville	22.8	-5.0	66	5	-10	23	1261	0	29	.50	- .21	.26	8	5 8	5	9	4	1	0
McHenry 5 N	19.4	-7.2	65	5	-15	23	1365	0	30	.37	- .17	.14	15	4.5	2	15+	5	0	0
McLeod 3 E	25.3 M	-4.4	64	1	- 7	20	1132	0	30	.67	.04	.27	19				5	1	0
Munich 4 SW	17.5		60	5	-16	23+	1421	0	30	.76		.51	8	9.1	6	9+	7	1	0
Oakes	23.5	-5.1	69	5	-11	23		0	29	.22	- .34	.07	9+	2.3	1	9+	4	0	0

See reference notes following Station Index.

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
Park River	21.9 M	-5.1	64	5	-11	23	1282	0	29	.43	- .20	.25	8	4.0	3	8+	4	1	0
Pembina 2 N	19.3 M	-4.1	55	6	-12	23		0	30	.48	- .27	.30	8				3	1	0
Petersburg	20.0		64	5	-14	23	1343	0	29	.57	- .07	.22	7	5.7			5	0	0
Sharon	20.6 M	-4.1	64	5	-13	23	1324	0	30	.54	- .18	.25	8	4.0	2	8+	5	1	0
Valley City	23.4 M	-4.6	67	5	-11	23	1230	0	28	.46	- .22	.15	16	4.8			4	0	0
Wahpeton State School	26.0 M	-3.0	70	5	-10	23	1153	0	28	.28	- .41	.09	9	2.5	1	9+	5	0	0
DIVISION	21.8	-5.0								.50	- .22			5.7					
MIDDLE DIVISION																			
Ashley //	23.2	-4.8	67	5	-13	23	1249	0	30	.20	- .35	.05	2+	3.0	T	8+	6	0	0
Belcourt Indian Res.	16.8		59	5	-18	23	1442	0	30	.46		.24	8	6.4	5	8+	5	0	0
Bisbee	19.1 M	-7.3	61	5	-15	23	1370	0	30	.44	- .03	.34	8	4.5			2	1	0
Bismarck WB City	24.4	-4.1	64	5	-12	24		0	30	.30	- .18	.14	15	4.0			7	0	0
Bismarck WB Airport	22.2	-4.3	65	5	-13	24	1280	0	30	.24	- .33	.15	15	3.4	2	15+	5	0	0
Bottineau	16.5	-7.1	60	6	-17	23		0	30	.37	- .10	.18	8	5.1	4	8+	6	0	0
Butte	19.7	-6.8	63	5	-15	23+	1356	0	29	1.11	.51	.74	15	11.1	9	18+	3	2	0
Carson 2 SW	23.7	-6.1	65	4	-18	24	1334	0	29	.67	.10	.41	15				5	1	0
Center	20.8	-7.7	64	5	-15	23	1322	0	29	.47	- .04	.45	15	3.1	3	15+	2	1	0
Drake	21.7 M	-4.2					1324	0		1.02	.48	.55	15	17.0			4	1	0
Dunseith State Sanitarium	17.8	-6.3	59	5	-16	23	1411	0	30	.46	- .04	.25	8	3.8	3	8+	3	1	0
Fessenden	20.1 M	-6.5	61	5	-15	23	1338	0	30	.91	.31	.46	22	14.1	11	28+	5	2	0
Fort Yates	25.4	-4.6	67	5	-13	24	1181	0	28	.05	- .40	.03	18	1.8	1	18+	2	0	0
Foxholm Wildlife	21.3	-4.3	62	4	-13	24	1293	0	29	.14	- .54	.10	8	1.5	2	8+	2	0	0
Garrison	19.4	-7.1	62	4+	-18	24	1364	0	29	.82	.33	.63	15	8.8	8	15+	4	1	0
Granville	20.6	-5.8	63	5	-15	23+	1327	0	30	.21	- .33	.08	18	4.5	4	18+	4	0	0
Hansboro	16.2 M	-7.3			-17	23	1434	0		.32	- .22	.25	8	5.2	3	8+	4	1	0
Leeds	19.2		63	5	-15	23	1369	0	30	.63		.26	8	10.3			7	1	0
Linton	24.1	-4.7	67	5	-12	24	1220	0	30	.48	.03	.15	15	5.5	3	16+	6	0	0
Maddock Agri. School	18.5	-7.7	62	5	-17	23+	1390	0	30	1.27	.76	.62	15		13	18	6	1	0
Mandan Exp. Station	22.8	-6.1	63	5+	-12	24		0	30	.38	- .14	.10	19	4.9			8	0	0
Mandan Ft. Lincoln Park	24.9 M		67	5	-14	23	1187	0	29	.27	1.14	.16	15	4.0	3	15+	4	0	0
Max	19.5	-6.2	61	5	-17	24		0	30	.44	- .06	.17	16	8.3	5	16+	9	0	0
McClusky	20.7	-4.9	62	5	-16	24	1321	0	29	1.21	.66	.78	15	11.2	10	18+	8	1	0
Minot CAA AP //	20.2	-7.2	64	4	-13	23+	1338	0	28	.49	- .17	.19	8	5.2	2	8+	5	0	0
Minot Exp. Farm	20.3		62	4	-15	23+	1333	0	29	.20		.09	15	3.6	4	18+	3	0	0
Mohall	19.0	-6.0	61	4	-16	24	1376	0	30	.11	- .43	.05	8	1.5	1	8+	5	0	0
Napoleon 1 SE	21.9	-4.9	64	5	-17	23	1288	0	29	.16	- .42	.04	18+	1.8	1	16	5	0	0
New Salem 1 S	21.8 M	-7.8	65	4	-15	23+	1276	0	30	.26	- .22	.14	15	4.2	3	14	5	0	0
Pettibone	21.0 M	-5.1	64	5	-15	23+	1315	0	30	.41	- .12	.10	8	4.8	3	22+	6	0	0
Riverdale	20.8		62	5	-15	23+	1317	0	29	1.21		1.00	15	14.7	13	15	6	1	1
Rolla	17.1	-6.1	59	5	-16	23	1429	0	30	.54	- .01	.30	8	7.1	5	8+	5	1	0
Rugby	20.4		53	4	-15	23+	1333	0	30	.86	.34	.25	22	16.5	3	12	11	1	0
Steele	21.4	-5.1	65	5	-15	23+	1304	0	30	.42	- .05	.24	15	5.0	3	15+	4	0	0
Towner	18.7 M	-6.7	58	1+	-18	24	1390	0	30	.72	.19	.50	7	2.5	3	21+	4	1	0
Turtle Lake	21.3 M	-6.8						0	30	1.17	.75	1.05	15	11.5	10	15	4	1	1
Underwood 12 W	20.4	-7.9	62	5	-20	24	1334	0	30	1.41	.96	.70	15	21.1	16	16	8	2	0
Upham Wildlife	19.2		64	5	-17	24	1372	0	30	.23		.09	8	3.0	2	8+	5	0	0
Velva	21.0	-6.4	61	4+	-13	23	1313	0	30	.68	.04	.31	15	9.0	6	18	4	1	0
Washburn	23.1 M	-6.3	64	5	-14	23	1251	0	28	.43	- .01	.38	15	4.3			2	1	0
Westhope	18.2	-6.9	60	5	-16	23+	1397	0	30	.12	- .43	.06	7+	2.0	2	18+	2	0	0
Willow City	18.4	-4.3	62	5	-15	23	1391	0	30	.28	- .28	.15	8	3.3	2	8+	5	0	0
Wilton R.R. Sta.	19.3	-8.0	61	6	-19	24		0	30	.46	- .02	.24	16	.6	1	16	6	0	0
Wishek	22.0 M	-6.4	65	6	-13	23+		0	29	.14	- .31	.05	23	2.3	1	13+	4	0	0
DIVISION	20.5	-6.2								.53	- .06			6.3					
WESTERN DIVISION																			
Almont 7 SW	23.6		63	5	-14	24	1237	0	29	.40		.26	15	3.8	4	18	4	1	0
Amidon	25.9	-4.7	63	5	-14	23		0	29	.90	.49	.20	1+	8.0	2	16+	6	0	0
Beach	25.2	-5.5	62	4	-14	23+	1190	0	28	.56	.10	.32	15	5.2	2	15+	4	1	0
Belfield	24.2 M	-5.2	62	4	-14	24	1233	0	29	.98	.50	.61	15	9.0	6	22+	4	1	0
Bowbells	20.8	-5.4	63	5						.08	- .38	.05	19	1.1	1	7+	2	0	0
Bowbells 5 E	18.8 M		63	5	-13	23		0	29	.10		.05	7	1.9	2	7	4	0	0
Bowman Court House	24.9	-5.6	55	4+	-13	23	1199	0	28	.34	- .04	.12	2	7.1	2	2+	5	0	0
Crosby	19.0	-7.5	63	5	-16	23+		0	30	T	- .56	T	7+	T	T	7+	0	0	0
Dickinson CAA AP	23.0	-5.2	63	4	-14	23	1253	0	29	.46	- .02	.28	15	3.6	3	18	6	1	0
Dickinson Exp. Sta.	23.6	-4.6	61	6	-18	24		0	29	1.00	.52	.45	16	6.0	4	16+	5	2	0
Dunn Center	20.1	-7.8	65	5	-21	24		0	30	.83	.39	.65	16	7.9	5	16+	6	1	0
Elbowoods	21.2	-7.2	64	4	-23	24	1309	0	29	.78	.38	.65	15	13.7	12	15+	3	1	0
Epping	21.5 M	-4.8	65	4	-15	23	1300	0											
Grenora	20.9 M	-5.2			-15	22+	1333	0	28										
Hettinger	29.0 M	-2.4	64	4				0	28	.46	.06	.16	11	4.3			5	0	0
Kenmare	20.0	-6.3	62	5	-15	23+		0	29	.10	- .44	.04	9		1	9	4	0	0
Marmarth	24.5 M	-6.4			-17	24	1203	0	30	.72	.35	.23	2	10.9	2	2+	6	0	0
Medora TRNMP	25.9		65	4	-21	24	1168	0	29	.39		.28	15	6.3	4	18+	3	1	0
Mott	24.6	-4.7	65	4	-20	24	1206	0	30	.54	.08	.31	15	9.0	5	15+	5	1	0
New England	25.7	-3.7	64	4	-15	24	1173	0	30	.40	- .05	.17	15	4.9	2	18+	4	0	0
Parshall	19.5	-6.0	63	4	-23	24	1359	0	30	.30	- .09	.13	15	3.0	3	18+	5	0	0
Portal	18.5	-6.5	61	5	-19	24		0	29	.21	- .31	.10	22	2.5	1	7+	3	0	0
Powers Lake 1 N	18.9 M	-6.5	61	4	-18	23+	1374	0	30	.09	- .40	.05	7	.4	T	7+	2	0	0
Richardton Abbey	24.6	-4.1	65	4	-15	24	1208	0	28	1.07	.55	.84	15	8.9	6	15+	5	1	0
Sanish	20.5 M	-7.5	64	5	-13	24		0	30	.26	- .27	.08	8+				7	0	0
Stanley	13.3		61	4	-18	24	1382	0	29	.12	- .42	.08	18				2	0	0
Van Hook	21.2 M		64	4	-18	24	1308	0	30	.24		.09	18	6.5	3	18+	5	0	0
Watford City	25.2 M	-3.3	63	4			1226	0	28	.26	- .23	.16	18	2.7			3	0	0
Williston WB City	23.3	-3.9	64	4	-12	23	1244	0	28	.22	- .36	.11	18	1.7	1	18+	7	0	0
DIVISION	22.5	-6.1								.44	- .08			5.4					
STATE	21.6	-5.8								.49	- .12			5.8					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA
NOVEMBER 1950

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S								.10	.21	.09	T								.10				.05										.55
Alexander R R Sta.											T								.25			T	.07										.32
Almont 7 SW		.05							T	T									.05	T			.04										.40
Alpha 1 S			.05				T		T	T	T	.05				.26	.16			T		T	.05										.31
Ameaia									.15	.10										.25				.12									.62
Amidon		.20								T	T	.20	T			T	.20		.10	.10		T		.10		T							.90
Amidon	R		.10							.03	.04					.08			.06				.03										.34
Antler	R	.02						.13	.05				.03						.05			.02											.30
Arvilla St. Pk.								.11	.08											.06			.07	T									.32
Ashley			.05					T	.03								.03		.05	.01			.03										.20
Ashley	R //	.07							.03							.03			.03				.03										.19
Halfour	R								.08							.45			.16			.03											.72
Bantry																.03			.11														.14
Beach									T	T	T	.09				.32			.10				.05										.56
Beach	R										.03	.07				.34			.10				.05										.59
Belcourt Indian Re			T				.03	.05	.24							T			.10	T			.04										.46
Belcourt Indian Re	R							.21	.16										.12				-	-	-	-	-	-	-	-	-		-
Belfield		T	T				T	T	T		T	.17				.61			.12			T	.08										.98
Berthold									.05							.03			.07			.01	.01										.17
Beulah		.02						T	.01							.64			.06			T	.02										.75
Beulah	H	.01						.02								.64			.06														.73
Bisbee								T	.34														.10										.44
Bismarck WB City		.01	.01					T	.02	T	T		T			.14	.01			.05			.06										.30
Bismarck WB AP	R	T	.01		T			T	.01	T			T			.15	T		.04			T	.03										.24
Bottineau							.03		.18	T			T	.01			T		.08	.04			.03										.37
Bowbells								.03	T				T						T	.05			T										.08
Bowbells 5 E						T	.05	.01	T	.02									T	.02			T										.10
Bowman Court House		.02	.12				T				T	.06				.03			.11				T										.34
Bowman Court House	R //	.20									.03	.06				.07			.13				.02										.51
Breien	R															.10			.08				.13										.31
Butts								.11	T	T						.74		T	.26				T							T		1.11
Cando	R							.18	.13										.11			.02											.44
Carrington									T	.12	T						.60	T	T	.03				.10									.85
Carson	R															.18			.06				.04										.28
Carson 2 SW		T						T	.01	T			T			.41			.06	.09			.10										.67
Cavalier			T		T			.10	.34	T																							.44
Center		T	T													.45			.02			T											.47
Columbus						T	.02	T	.05													.05											.12
Cooperstown										.25										.20				.12									.57
Courtenay							T		.10			T				.10							.18	T									.38
Crosby								T	T	T			T	T				T	T	T			T										T
Crosby	R							.02	.02	.03																				.03			.10
Dawson	R								.03							.19			.06			.01											.29
Devils Lake WB City	R		T			T	T	.23	.09	T	T	T	.01			.05	T	T	.15	T	T	.02	T	T		T		T					.55
Dickinson CAA AP			T						T	.04	.03	.02	T			.28			.05			T	.04										.46
Dickinson CAA AP	R	.02								.04	.03	.02				.40			.06				.05										.62
Dickinson Exp Sta.		T							T	T		.10	T			.30	.45		T	.10			T	.05									1.00
Donnyhrook									T	.04									T			T											.04
Drake	R								.21	.08						.55			.18														1.02
Dunn Center									T	.03		T	T				.65		.03	.05			.06	.01									.83
Dunseith St Benita							T	.12	.25	T	T		T			T			.09	T													.46
Eckman		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
Edgeley Exp Farm										.02	T		T	T			.03		.04				.02										.11
Edgeley Exp Farm	R								.03							.02			.02	-	-	-	-	-	-	-	-	-	-	-	-		-
Edmore 1 W			T				T	.06	.30	.04	T	T	T						.10	.04		T	.02	T	T								.56
Elhowoods									T							.65			.10				.03										.78
Elgin 5 S									T	T	T	T	T			.11			.12				.05										.28
Ellendale			.10					T	.08	.02	T	T	T	T			.05	T	T	.05			.09	.05					T				.44
Epping									-										-			.10										-
Esmond	H							.23	.18							.45			.18			.07										1.11
Fairfield 8 N									.08	T	.03		T			.05			.10				.05										.31
Fargo WB AP	R //		T		T		T	T	.25	.02	T	T	T	T		T	T		.05	.01		.02	.13	T	T	.02	T			T	T		.50
Fessenden									.06								.04						.46	.31				.04					.91
Flasher																	.1			.05				.03									.18
Flaxton							.03		.04				T					.03				.03											.13
Forman									.10	T										.05			T	.10									.25
Fort Yates									T	T			T			T	T		.03				.02										.05
Fort Yates	R															.02			.03				.02										.07
Foxholm Wildlife Ref								T	.10			T				.04				T													.14
Fryburg	R									-	-	-				.37			.05														-
Fullerton			.02						.08				T			.14			.18				.06										.48
Gackle			T						.04							.01	.08		.01			T		.02									.16
Garrison			T					.06	.02	T			T			.63			.11			T	T										.82
Glen Ullin	H															.24			.03				.05										.32
Golva 1 SE	R															.17			.03				.06										.26
Grafton St. School					T		.11	.07	.72	.05			T						.03	.03			.03	.02									1.06
Grand Forks CAA AP		T			T	.01	.02	.07	.14	.02	T	T	T					T	.09	T	T	.07	.05		.01	T	T			T	T		.48
Grand Forks CAA AP	R //	.01				.01	.02	.06	.13										.08			.06	.05		.01								.43
Grand Forks Univ		.01	T		T		.03	.04	.14	T		T	T						.03				.13		T	.11				T			.49
Grand Rapids 1 N		T	T						.10							.06		T	T			T											.16
Grano	R //	-	-	-	-			.05	.43							.01																	-
Granville									.04	.02	T					.07			.08	T		T	T											.21
Grassy Butte	R	.05					.05	.06	.06	.03	.02	.14				.14			.12	.05		-	-	-	-	-	-	-	-	-			-
Grassy Butte 1 N								T	T	.08		.04	.04			.11			.14			.07	.10										.58
Grenora									-													T											-
Haley	R		.15		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
Halliday								.05	.04	T						.77			.08			.06	.07										1.07
Hankinson R R Sta.									T	.02							T			.04													.06
Hannaford	R								.09	.07						.05			.09				.05	.04									.39
Hannah							.02	.21	.46	.01			T						T	.10			.05										.85
Hanshoro							T	.03	.25	T	T		T				T		.02				.02										.32
Harvey Water Wks							.10	.08	T			T	T			.60			T	.04			T										.82
Haynes 6 NE	R	.02	.12							.02	.01					.15			.11			.02	.06										.51
Hazelton R R Sta.	R //								.05							.26			.06				.12										.49
Hettinger		.16											.07			.04			.16					.03										.46
Hillshoro				T		T		T	.20	.05		T	T				T		T	.07	T		.12	T	T	T	T			T			.44
Hurdsfield	R							.13	.29							.30			.05				.05										.82
Jamestown CAA AP		T	T	T				T	.36	.05	.01	T	T			.11	.01		.22	T		.02	.03										.81
Jamestown CAA AP	R //								.47							.14			.20			.02	.05										.88
Jamestown St. Hosp			T	T				T	.03				T			.03	T		.03	.03			T	T									.12
Keene								.08										.02	.10			T	.06	T									.26
Kenmare	R								.03	.04									.02	.01													.10
Kennal Wildlife Rs									.18	.12						.16	.06		.08				.02										.62
Killdeer 8 NW										.12	.05						.21		T	.11			.10										.59
Kramer 5 SE	R							.10								.05							.05										.20
Langdon Exp Farm							.13	.05	.72	.12									.10	.06			.05	.04									1.27
Leeds								.12	.26	.02	T	T	T			.03	.02		.16				.02										.63
Lefor 10 E								T		T		.02				.35			T				.02										.39
Lioton		T							.01				T			.15	.10		.10	.02			.10E										.48E
Lisbon										.41							.05			.06				.02										.54
Maddock Agr School			T					.17	.12	T		T	T			.62	T		.23	.05			.08										1.27
Mandan Exp Sta.		.02	T	.02				T	T	.02	T		T	T		.07	.09		T	.10			.01	.05									.38
Mandao Exp Sta.	R								.02							.11			.07				.06										.26
Mandao Ft. Lincoln		T	T					T	.02	T			T			.16	T		.03			T	.06										.27
Marmarth		.05	.23				T					.03				.08				.18		T	.15										.72

See reference notes following Station Index

Table 3—Continued

DAILY PRECIPITATION

NORTH OAKOTA
NOVEMBER 1950

Station		Day of · onth																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Warmarth M O U Co	R	.02	.10								.02	.03				.10			.11				.04									
Martin								T								.80			T				.14									.42
Max		.03							.03	.03	T	.01	.02			.01	.17		.11	.03												.94
Mayville								T	.26	.12		T	T				T		T	.04				.08						T	.44
Mc Clusky								.05	.11	.01						.78	.10		.10	.02			.04									.50
Mc Gregor R R Sta.	R								.04	.12																						1.21
Mc Henry 5 N							T	.02	.09	T	T		T			.14			T	.08		.10	.04									.26
Mc Leod 3 E									*	.17			T				.05			.27				.18								.37
Mc Ville							.02	.12	.20							.05				.12			.05									.67
Medina 1 W									.10										-				-									.56
Medora T R N M P									T			T				.28			.08				.03									-
Melville	R															.10			.05				.02									.39
Minot CAA AP			T			T		T	.19	.01		T	.02			.16	T		.11		T	T	T							T	.17
Minot CAA AP	R //				-				.21							.15			.07													.48
Minot Exp Farm								T	.05	T			T			.09			.06	T			T									.43
Moffit R R Sta.				T						T																						.20
Mohall			.01		T		.02		.05								.35				.05											
Montpelier				T					T	.10	T			T		T			.02			.01	T									.40
Mott		T						T	T		.04	.04	T			.31	.04			.05			T	.03								.11
Mott	R		.03													.25			.11				.04									.22
Munich 4 SW																			.12				.04									.54
Napoleon 1 SE			T				.02	.03	.51	.05			.01																			.44
Napoleon 1 SE	R								.02	T			T			.03	.03		.01	.13			T	T								.76
New England		.03	T						.02							.06			.04	T			.04									.16
New Rockford 7 WNW		T		T					T			.08				.17			.05			.03	.02									.18
New Salem 1 S		.05	.01					.24	.37	T		T	T			.60			.12				T									.40
Noonan									.01				T			.14			.09				.08	T								1.38
Northgate	R								.25														.05									.26
Oakes									.05			.03				.05			.20													.45
Oakes	R									.07							.06			.07			.07									.20
Park River			T		T		T	.10	.10	.25	T		T			.06			.05				.08	.02								.22
Parshall								.05	.25	T			T						T	.05			.03									.29
Pembina 2 N						T	T		.01	T			T			.13			.10			T	.01									.43
Pembina 2 N	R //				.03	.10		.05	.30	.06								T				.12	T	T								.30
Petershurg						.08		.22	.31				T						.01			.09	.05	.04								.48
Pettibone								T	.10	T			T			.04	.0		.12	.05				T								.68
Pettibone	R								.08							.13			.02	.07			.09	T								.57
Portal							T	.06	.05	T									.10				.09									.41
Powers Lake 1 N								.05										T	T	T			.10	T								.40
Pretty Rock			.20						.05	T	.05	.05	T			.03	.13	T	.13	T		.04								.03		.21
Raub	R //				-	-	-	-	-	-	-	-	-			.43			.11		-	-	-	-	-	-	-	-	-	-	-	-	.08
Reeder			.11									.05					.08		.10													.67
Reeder 14 N			.18							T		.06				T	.04			.09				T								-
Richardton Abbey		T	T					T	T	T		.01	T			.84			.07	.01		T	.14		T							.34
Richardton Abbey	R											.02				.93			.08				.14									.37
Riverdale			.01					.03	.02	T			T			1.00	T	T	.10	T	T	T	.05	T	T							1.07
Riverdale	R							.08	.04							1.00		.02	.12				.05									1.17
Rolette	R							.10	.07							.03			.06			.04										1.21
Rolla			T				.05	.30	.02	T		T			T		T	.14	T		T	.03		T								1.31
Rugby								.10	.05			T	.08	.02		.08	.04	.06	.03	.03	T		.25	.12								.30
Ryder			T							.10	.05	T				.15		.10														.54
Ryder	R									.10	.03					.17			.07													.86
Sanish						T			.08	.01									.08	.03			.03	.01								.40
Sarles	R //					.17	.03	.16	.55	.03							.02		.13			.05										.37
Selfridge			.01													.05			.05	.02			.06									.26
Sharon			T			T	T	.02	.25			T	T			.05			T	.20			.02									1.12
Sherwood			T					.08	.28	.01			.01			T			.16			T	.02									.19
Sheyenne	R								*	.61						.10			.03			-	-	-	-	-	-	-	-	-	-	.54
Shields																			.06													.56
Stanley								T	.04	T			T						.08			T										-
Stanley	R								.02													.05										.06
Steele								.07								.24			.06	T			.05									.12
Tagus			T			T	.01	T	.05	.03						T		.05	.05		T	T	T									.07
Tioga									.05										.04													.42
Tolley 4 NE									.12	T																						.19
Towner								.50		.07						.11						.04										.09
Trotters		T					T	T	T		.06	T				.04			.10			.02	.06		T				T		.12
Trotters 3 S	R										.04					.04			.03			.04										.72
Turtle Lake		T		T					.05				T			1.05			.02				.05							T		.28
Tuttle 8 SW									.05							.11			.14				.08									.15
Underwood 12 W						T		.02	.04	T	T					.70	.50	T	.03	.02	T	T	.06	.04								1.17
Upham Wildlife Ref			.04					.05	.09	T						.04	T		.01				T									.38
Valley City								T	.12		T						.15			.12			.07									1.41
Van Hook								.05	T	T						.05			.09			.02	.03							T		.23
Velva			T					.09	.15	T			T			.31	T		.13		T	T	T									.48
Verona										.16	T					T	.12															.24
Wahpeton Pwr Pl.	R								.11										.05			.05	.05									.68
Wahpeton St. School									.04	.09							T			.04			.06	.05								.26
Walhalla			T	T			.05	.07	.42				.02				T		.05	.02			T			T	T	T				.28
Washburn			T					T	T	T			T			.3	T	T	.05												.83
Washburn Wtr Wks	R	.01		.03				.02	.04							.52			.07				.02									.43
Watauga S Oak. 8 N			.03			T		T		T						T			.02				T									.71
Watford City	R								.02										.16			.08										.05
Watford City 11 E							.03	.02								.04			.15			.08	.06									.26
Westhope								.06	T										.06			T										.38
Wildrose					T				.09	.02									T			.05									.12
Williston WB City	R							T	.01	T	.01	.01	T			T		T	.11			.04	.02			T	T			.02		.16
Willow City					T		T	.03	.15	T			T			.03			.04			.03	T							T		.22
Wilton R R Sta.		.09							T	T				T		.03	.24			.07			.01	.02								.28
Wishek			T	T					T					.03			.03			.03				.05								.46
Zahl							T	T											.03			.03										.14

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending											Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
ANTLER																							.02		.02
ASHLEY									.03	.02	.01	.01													.07
BEULAH	.01																								.01
BOWMAN COURT HOUSE //	•	•	•	•	.20																				.20
DICKINSON CAA		.01	.01																						.02
GLADSTONE 22N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA //	.01																								.01
GRANO //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRASSY BUTTE																					.02	.03			.05
HALLIDAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAYNES 6 NE		.01	.01																						.02
HETTINGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENMARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARMARTH M D U CO																								.02	.02
WASHBURN WATER WKS			.01																						.01
—2d—																									
AMIDON	.02	.02	.03	.01			.01	.01																	.10
BISMARCK WB AIRPORT										.01															.01
HALEY	.03	.02	.03						.05	.02															.15
HAYNES 6 NE		.02	.05	.02	.01	.01	.01																		.12
MARMARTH M D U CO	.06	.02	.01	.01																					.10
MOTT				.02	.01																				.03
—3d—																									
WASHBURN WATER WKS								.02			.01														.03
—4th—																									
GRANO //	-	-	-	-	-	-	-	-	-																-
HALEY												-	-	-	-	-	-	-	-	-	-	-	-	-	-
PEMBINA 2N																.01	.01	.01							.03
RAUB //								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—5th—																									
GRAND FORKS CAA //																								.01	.01
PEMBINA 2N																						.02	.08		.10
SARLES 3 E //																			.05	.05	.01	.04	.01	.01	.17
—6th—																									
GRAND FORKS CAA //	.01	.01																							.02
GRASSY BUTTE																							.02	.03	.05
SARLES 3 E //	.02		.01																						.03
WATFORD CITY 11E																						.01	.01	.01	.03
—7th—																									
ANTLER									.07	.04	.02														.13
BELCOURT INDIAN RES										.01	.02	.01	.01	.03							.05	.05	.03		.21
BEULAH							.01	.01																	.02
CANDO													.02	.04	.02							.03	.05	.02	.18
CROSBY																	.01	.01							.02
DEVILS LAKE WB CITY													.02	.05	.01						.01	.09	.04	.01	.23
ESMOND										.01	.01	.10	.09							.02					.23
GRAND FORKS CAA //														.02	.04										.06
GRANO //									.04	.01															.05
GRASSY BUTTE	.02	.01	.01	.01	.01																				.06
HURDSFIELD									•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.13	.13
KRAMER 5 SE									•	•	•	•	•	•	•	.10									.10
MC GREGOR RR STATION						.01	.01		.01	.01															.04
NORTHGATE																			•	•	•	•	•	•	•
PEMBINA 2N																	.02	.01	.01	.01					.05
RIVERDALE																					.02	.05	.01		.08
ROLETTE												.02		.01	.01						.04	.01		.01	.10
SARLES 3 E //														.02	.01	.01	.01	.01			.01	.01	.03	.05	.16
WASHBURN WATER WKS		.01	.01																						.02
WATFORD CITY 11E		.02																							.02
—8th—																									
ANTLER	.02	.01	.01	.01																					.05
ASHLEY //							.01	.01	.01																.03
BALFOUR													.05	.03											.08
BELCOURT INDIAN RES	.01		.01	.02	.02	.02	.02	.01	.03	.02															.16
BISMARCK WB AIRPORT																		.01							.01
CANDO	.02	.01	.01	.01	.01	.02	.02	.03																	.13
CROSBY									•	•	•	•	•	.03									.01	.01	.02
DAWSON																									.03
DEVILS LAKE WB CITY						.04	.02		.01	.01	.01														.09
EDGELEY EXP FARM									.01			.01	.01												.03
ESMOND				.01	.01	.02	.04	.03	.02	.02	.02	.01													.18
FARGO WB AIRPORT //															.02	.08	.05	.03	.05	.02					.25
GRAND FORKS CAA //		.01							.01	.01	.02			.01	.01	.01	.01	.01		.01		.01		.01	.13
GRANO //	.01	.04	.04	.07	.06	.06	.05	.03	.02	.03	.02														.43
GRASSY BUTTE	.01	.01	.02	.02																					.06
HANNAFORD								.01	.01	.03	.01	.01											.01	.01	.09
HAZELTON R R STATION //											.05														.05
HURDSFIELD							.02	.06	.03	.03	.03	.04	.02	.02	.01	.02	.01								.29
JAMESTOWN CAA //							.02			.01	.02	.05	.07	.06	.07	.08	.02	.03	.02	.02					.47
MANDAN EXP STATION	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.02	.02
MC GREGOR RR STATION		.02	.01	.01	.02	.01	.01	.02	.01	.01															.12
MINOT CAA //				.01	.02	.02	.05	.02	.03	.01	.02	.02		.01											.21
NAPOLEON 1 SE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	.02	.02
NORTHGATE	•	•	•	•	•	•	•	•	.05																.05
OAKES														.01	.02	.02	.01	.01	.01			.01		.01	.10
PEMBINA 2N			.02	.01	.01	.02	.03	.07	.10	.03	.02														.31
PETTIBONE									.02	.02	.01		.01	.02											.08
RIVERDALE		.01	.02	.01																					.04
ROLETTE	.01	.01	.01		.01	.01					.01	.01													.07
SARLES 3 E //	.05	.08	.07	.11	.07	.03	.04		.03	.02			.02	.02	.01										.55
SHEYENNE						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STANLEY	.01	.01																							.02
WAHPETON POWER PLANT																.02	.01	.02	.02	.02	.01	.01			.11
WASHBURN WATER WKS										.01	.02	.01													.04
WILLISTON WB CITY							.01																		.01
—9th—																									
AMIDON																				.01	.01		.01		.03

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
CROSBY				.02	.01																				.03
DICKINSON CAA	*	*	*	*	*	.04																			.04
FARGO WB AIRPORT //									.01	.01															.02
FRYBURG												-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRASSY BUTTE																		.01	.01			.01			.03
HANNAFORD	.01		.01		.01				.04																.07
RYDER							.07	.01															.02		.10
SARLES 3 E //		.01	.01	.01																					.03
SHEYENNE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.61	.81
–10th–																									
AMIDON						.01	.01	.01	.01																.04
BEACB																			.02		.01				.03
BOWMAN COURT BOUSE //																					.01	.01		.01	.03
DICKINSON CAA																					.01	.01	.01		.03
GRASSY BUTTE				.01	.01																				.02
HAYNES 6 NE																							.01	.01	.02
MARMARTB M D U CO																							.02		.02
RYDER	.02	.01																							.03
TROTTERS 3S																		.02	.01		.01				.04
WILLISTON WB CITY																								.01	.01
–11th–																									
BEACR			.01		.01	.01	.02	.01	.01																.07
BOWMAN COURT HOUSE //		.01	.01						.01	.01	.01	.01													.06
DICKINSON CAA							.01		.01																.02
FRYBURG	-	-	-	-	-	-	-	-	-	-	-	-													-
HAYNES 6 NE			.01																						.01
MARMARTB M D U CO	.01					.02																			.03
NORTBGATE																					.01	.01	.01		.03
RICHARDTON ABBEY								.01	.01																.02
WILLISTON WB CITY						.01																			.01
–12th–																									
ANTLER							.03																		.03
DEVILS LAKE WB CITY										.01															.01
GRASSY BUTTE									.04	.05	.01	.04													.14
RAUB //	-	-	-	-	-	-	-	-	-	-															-
–15th–																									
AMIDON							.02	.03	.02	.01															.08
ASHLEY //																				.01		.01		.01	.03
BALFOUR										.01	.02	.07	.13	.11	.07	.02	.02								.45
BEACB			.01	.03	.16	.05	.02	.05		.02															.34
BEULAB					.05	.03	.10	.13	.12	.11	.08	.02													.64
BISMARCK WB AIRPORT								.01	.02						.04	.04	.03	.01							.15
BOWMAN COURT ROUSE //									.03	.03		.01													.07
BREIEN						.02							.01	.03	.02		.02								.10
CARSON												.05	.07	.03	.01	.02									.18
DAWSON															.03	.04	.07	.04	.01						.19
DEVILS LAKE WB CITY												.02	.02	.01											.05
DICKINSON CAA		.02	.08			.05	.05	.05	.07	.03	.03	.01	.01												.40
EDGELEY EXP FARM																					.01		.01		.02
ESMOND										.01	.07	.06	.05	.08	.09	.03	.05	.01							.45
FORT YATES																				.01		.01			.02
FRYBURG				.06	.03	.05	.08	.06	.05	.01		.01		.02											.37
GLEN ULLIN						.02	.01	.01	.01	.06	.02	.05	.03	.01	.01	.01									.24
GOLVA 1 S E			.01		.01	.03	.05	.04	.01	.02															.17
GRANO //								.01	.02	.01															.04
GRASSY BUTTE		.03	.03							.01		.01	.01	.01	.01	.02		.01							.14
HANNAFORD																			.04	.01					.05
HAYNES 6 NE										.08	.02		.01		.01	.01	.01	.01							.15
HAZELTON R R STATION //																.04	.07	.07	.03	.03	.02				.26
HURDSFIELD							.01	.03	.02	.03				.04	.05	.05	.04	.01	.02						.30
JAMESTOWN CAA //						.05	.04	.02	.01	.02															.14
KRAMER 5 SE											*	*	*	*	.05										.05
MANDAN EXP STATION							.04	.02					.02	.01	.01	.01									.11
MARMARTB M D U CO								.05	.02	.02						.01									.10
MELVILLE								.01	.01							.03	.04	.01							.10
MINOT CAA //										.02	.05	.03	.02	.02	.01										.15
MOTT							*	*	*	*	*	*	*	.25											.25
NAPOLEON 1 SE																		.03	.02	.01					.06
NORTBGATE	.02	.01		.01	.01																				.05
OAKES																						.03	.02	.01	.06
PETTIBONE															*	*	*	*	*	*	*	*	*	.13	.13
RAUB //								.05	.13	.06	.05	.01	.07	.05	.01										.43
RICHARDTON ABBEY								.07	.10	.19	.22	.20	.04	.08	.02		.01								.93
RIVERDALE							.02	.03	.20	.08	.07	.10	.27	.11	.04	.08									1.00
ROLETTE																	.01	.01	.01						.03
RYDER								.02	.02	.01	.02	.02	.03	.03	.01	.01									.17
SHEYENNE						.05												.02			.02	.01			.10
TROTTERS 3S									.01	.01	.02														.04
WASHBURN WATER WKS							.03	.10	.02	.07	.08		.02	.06	.07	.02	.03	.02							.52
WATFORD CITY 11E											.02					.02									.04
–17th–																									
RAUB //		.02	.01	.06	.02																				.11
RIVERDALE											.01	.01													.02
–18th–																									
AMIDON									.01		.01		.01	.01	.01	.01									.06
ANTLER	.01	.01	.01		.01		.01																		.05
ASBLEY //																		.02	.01						.03
BALFOUR				.02	.08	.02	.01										.01	.01	.01						.18
BEACB	.01	.01	.02	.02					.02	.02															.10
BELCOURT INDIAN RES			.02	.01	.01	.01	.01	.01	.01		.01										.01	.02			.12
BEULAB				.01		.01										.01	.02	.01							.06
BISMARCK WB AIRPORT																	.01	.01	.01	.01					.04
BOWMAN COURT BOUSE //									.01	.02			.05	.03	.01	.01									.13
BREIEN														.03	.02	.01	.01	.01							.08
CANDO						.04	.02	.01											.01	.01	.01	.01			.11
CARSON													.02	.02			.02								.06
DAWSON																	.01	.01	.02	.01	.01				.06
DEVILS LAKE WB CITY					.03	.07	.01											.01	.01	.01	.01				.15
DICKINSON CAA				.01					.02					.01	.01	.01									.06
EDGELEY EXP FARM																				.01		.01			.02
ESMOND				.03	.10	.03													.01	.01					.18
FARGO WB AIRPORT //																					.01	.02	.01	.01	.05
FORT YATES																.01		.01		.01					.03
FRYBURG			.02	.01						.01	.01														.05
GLEN ULLIN											.01						.02								.03

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending											Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
GOLVA 1 S E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.03	.03
GRAND FORKS CAA //																			.01	.01	.03	.01	.02		.08
GRASSY BUTTE														.01	.07	.02	.01	.01							.12
HANNAFORD																		.01	.03	.01	.02	.01	.01		.09
HAYNES 6 NE													.02	.05	.02	.02									.11
HAZELTON R R STATION //																	.01	.02	.01	.02					.06
HURDSFIELD																	.01	.02	.01	.01					.05
JAMESTOWN CAA //																		.02	.08	.02	.04	.02	.02		.20
MANDAN EXP STATION											.02	.01		.01				.01	.01						.07
MARMARTH M D U CO									.02			.06	.02	.01											.11
MELVILLE																.02		.01	.01		.01				.05
MINOT CAA //			.02	.02	.02	.01																			.07
MOTT										.02		.01	.02	.01	.02	.02	.01	.01							.12
NAPOLEON 1 SE																	.01	.02	.01	.01					.05
NORTHGATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKES																				.03	.01	.01			.05
PEMBINA 2N	.01															.02	.03	.02	.03						.01
PETTIBONE																.01	.02	.01							.10
RICHARDTON ABBEY									.01	.02	.01					.01	.02	.02	.01						.08
RIVERDALE			.01	.01	.02						.01				.01	.01	.02	.02	.01						.12
ROLETTE					.02	.01	.02	.01																	.06
RYDER			.01	.03	.01									.01	.01										.07
SARLES 3 E //					.01	.02	.02	.01	.01	.01										.01	.01	.02		.01	.13
SHEYENNE																					.02	.01			.03
TROTTERS 3S		.01	.02																						.03
WAHPETON POWER PLANT																						.02	.01	.02	.05
WASHBURN WATER WKS						.02	.01	.01								.01	.01		.01						.07
WATFORD CITY 11E	.03	.03	.05							.01					.01	.02									.15
WILLISTON WB CITY		.03	.02	.01	.01				.01			.01		.01	.01										.11
–19th–																									
EDGELEY EXP FARM								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FARGO WB AIRPORT //		.01																							.01
GRASSY BUTTE										.03	.02														.05
–20th–																									
RAUB //									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
–21st–																									
ANTLER																		.01	.01						.02
BALFOUR																			.01	.02					.03
CANDO																						.02			.02
DAWSON																			.01						.01
DEVILS LAKE WB CITY																						.02			.02
E5MOND																			.01	.01	.05				.07
FARGO WB AIRPORT //																							.01	.01	.02
GRAND FORKS CAA //																							.02	.04	.06
GRASSY BUTTE								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAYNES 6 NE																.01	.01								.02
JAMESTOWN CAA //																					.01	.01			.02
MC GREGOR RR STATION	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.10	.10
NAPOLEON 1 SE																				.02	.01				.03
PEMBINA 2N																				.02	.01	.01	.03	.02	.09
ROLETTE																				.04					.04
SARLES 3 E //																						.04	.01		.05
SHEYENNE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANLEY																	.05								.05
TROTTERS 3S															.02	.01		.01							.04
WAHPETON POWER PLANT																								.05	.05
WATFORD CITY 11E																		.03	.04					.01	.08
WILLISTON WB CITY																.01		.02	.01						.04
–22d–																									
AMIDON													.01		.01		.01								.03
ASHLEY //																.01	.01	.01							.03
BEACH				*	*	*	*	*	*	**	*	*	.05												.05
BELCOURT INDIAN RES																			-	-	-	-	-	-	-
BISMARCK WB AIRPORT														.01	.01	.01									.03
BOWMAN COURT HOUSE //											*	*	*	*	*	*	.02								.02
BREIEN								.02	.03	.03	.02	.02	.01												.13
CARSON													.03	.01											.04
DICKINSON CAA											.01	.02	.02												.05
FARGO WB AIRPORT //	.02	.04	.02	.01														.01		.01	.01	.01			.13
FORT YATES											*	*	*	*	*	*	*	*	.02						.02
GLEN ULLIN											.01	.01	.02	.01											.05
GOLVA 1 S E												.01	.03	.01		.01									.06
GRAND FORKS CAA //	.01														.01		.01		.01	.01					.05
HANNAFORD																						.03	.02		.05
HAYNES 6 NE													.01		.02	.03									.06
HAZELTON R R STATION //														.05	.02	.02	.01	.02							.12
HURDSFIELD															.01	.01	.01		.01		.01				.05
JAMESTOWN CAA //																.01	.04								.05
KRAMER 5 SE					.03	.02																			.05
MANDAN EXP STATION											*	*	*	*	.06										.06
MARMARTH M D U CO												.01	.02					.01							.04
MELVILLE														.01	.01										.02
MOTT													.02	.02											.04
NAPOLEON 1 SE			.01	.01																					.02
OAKES		.01	.01	.01													.02	.01	.01	.01					.08
PEMBINA 2N	.01	.01															.01	.01	.01						.05
PETTIBONE														*	*	*	*	.09							.09
RICHARDTON ABBEY									.04		.01	.04	.03	.02											.14
RIVERDALE													.02	.01	.02										.05
WAHPETON POWER PLANT		.04	.01																						.05
WASHBURN WATER WKS											.01	.03							.01	.01					.02
WATFORD CITY 11E	.02										.01	.01													.06
WILLISTON WB CITY																									.02
–23d–																									
HANNAFORD	.01	.02	.01																						.04
PEMBINA 2N									.01	.01	.01	.01													.04
–24th–																									
GRAND FORKS CAA //																							.01		.01
–25th–																									
FARGO WB AIRPORT //		.01		.01																					.02
HALEY	-	-	-	-	-	-	-	-	-	-	-	-													-

See reference notes following Station Index.

Table 4—Continued

HOURLY PRECIPITATION

NORTH DAKOTA
NOVEMBER 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
											—30th—														
BELCOURT INDIAN RES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-
CROSBY																					.01	.01	.01		.03
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLADSTONE 22N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRASSY BUTTE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HALLIDAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HETTINGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENMARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHGATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHEYENNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY																	.01							.01	.02

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

NORTH DAKOTA
NOVEMBER 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7SW	MAX	50	35	44	62	63	40	50	39	18	22	21	27	43	55	42	26	37	31	11	40	39	37	0	18	28	29	27	38	34	26		34.4
	MIN	30	28	19	31	36	27	28	17	9	-3	7	8	13	27	22	18	17	10	-6	-3	10	-1	-13	-14	8	8	14	16	13	4		12.7
AMENIA	MAX	49	38	47	49	69	55	43	42	25	18	16	29	42	49	42	37	48	40	21	24	33	31	11	8	10	21	19	33	32	25		33.5
	MIN	35	26	25	35	28	35	15	25	17	7	10	7	9	29	24	20	17	21	0	-5	12	11	-11	-5	2	8	4	8	10	7		14.2
AMIDON	MAX	47	49	34	44	63	58	42	41	22	16	24	22	29	41	51	31	42	41	18	27	41	43	32	8	36	34	49	39	43	37		36.8
	MIN	29	29	16	25	42	22	26	19	10	-1	6	15	13	18	29	9	15	14	-5	-1	16	27	-14	-13	6	19	21	24	21	9		14.9
ARVILLA STATE PARK	MAX	46	39	43	47	65	51	37	33	25	15	18	26	41	46	32	31	43	31	17	22	31	35	8	10	15	20	16	30	25	19		30.6
	MIN	32	31	20	20	24	33	20	23	12	10	0	0	9	29	17	19	14	15	-3	-8	10	7	-11	-8	10	7	2	5	9	5		11.8
ASHLEY	MAX	53	45	41	55	67	47	51	42	22	15	19	25	44	55	44	29	45	35	20	31	34	38	6	13	28	29	28	36	36	25		35.3
	MIN	32	23	22	21	32	28	28	21	8	-10	-3	-3	8	25	26	18	19	18	-3	-7	12	5	-13	-11	8	-2	6	6	13	3		11.0
BEACH	MAX	48	36	43	62	57	42	44	31	15	25	25	28	43	49	35	34	41	30	12	41	41	40	0	34	36	48	42	43	35	28		36.3
	MIN	24	25	19	35	39	22	26	15	10	2	18	12	10	21	18	5	25	7	-11	-3	12	-4	-14	-14	10	26	26	26	25	7		14.0
BELCOURT INDIAN RES	MAX	42	35	40	48	58	40	31	31	20	11	14	22	35	40	37	25	31	18	13	15	25	24	1	11	20	20	20	28	24	18		26.6
	MIN	24	26	20	26	27	26	9	18	7	1	-12	-3	10	19	13	17	17	5	-6	-12	0	-8	-18	-14	0	0	7	8	6	-5		6.9
BELFIELD	MAX	50	40	43	62	43	43	40	41	22	24	26	28	43	51	34		38	24	14	40	42	35	-1		34	45	41	42	37	28		36.0
	MIN	25	20	17	35	23	23	15	22	11	-2	19	16	11	21	21	-7	20	8	-7	-7	15	-2	-13	-14	11	22	15	21	21	8		12.3
BISBEE	MAX	48	36	40	50	61	38	32	48	21	13	12	23	35	42	34	27	37	22	11	19	25		0	14	17	22	21	28	23	17		28.1
	MIN	28	28	23	27	27	28	15	20	9	6	0	-5	6	18	18	20	20	10	-4	-8	0		-15	-11	9	5	7	8	8	-3		10.1
BISMARCK WB CITY	MAX	45	43	44	63	64	44	51	40	28	21	20	26	46	54	50	30	42	42	19	8	32	34	33	0	23	22	32	32	41	34		35.5
	MIN	31	29	23	29	31	28	30	23	14	-1	4	8	12	27	14	20	19	17	-5	-8	5	15	-10	-12	13	3	12	13	11	3		13.3
BISMARCK WB AIRPORT	MAX	53	38	43	64	65	42	51	31	21	21	18	26	46	54	38	29	42	25	8	35	36	34	0	21	22	30	29	40	32	16		33.7
	MIN	27	27	21	31	29	27	28	19	5	-1	0	7	9	23	24	19	18	5	-6	-10	9	-8	-11	-13	2	9	10	9	8	2		10.6
BOTTINEAU	MAX	45	45	37	39	52	60	34	32	25	14	12	16	22	39	43	26	26	34	14	10	24	20	14	-3	17	21	27	21	27	24		27.2
	MIN	22	29	12	17	28	29	12	25	9	-1	-2	1	2	10	17	19	17	10	-10	-12	-12	-7	-17	-16	-10	1	5	-2	6	-7		5.8
BOWBELLS	MAX	43	46	38	50	63	57	36	43	23	16	23	21	24	42	44	26	36	33	9	12	31	36			29	19	22	35	35	29		32.9
	MIN	22	23	13	14	33	30	16	19	9	-4	-1	4	5	22	15	15	17	7	-4	-5	-2	-2			-14	0	-1	11	6	-6		8.6
BOWBELLS 5E	MAX	43	45	37	43	62	52	34	43	24	15	21	21	25	41	42	21	35	29	8	10	31	35	5	0	26	25	25	30	28	29		29.5
	MIN	22	24	13	21	33	30	18	20	8	6	-1	4	6	22	14	15	11	7	-4	0	-3	-1	-13	-12	-12	5	6	9	-1	-6		8.0
BOWMAN COURT HOUSE	MAX	40	39	36	55	55	45	37	37	16	24	24	18	35	42	42	36	43	43	9	39	40	40	5	25	30	41	37	38	38	31		34.7
	MIN	30	26	18	33	39	25	25	15	13	-1	16	17	9	25	26	8	25	9	-4	-2	19	-2	-13	-12	15	20	20	20	20	11		15.0
BUTTE	MAX	51	50	43	60	63	43	48	45	21	20	17	25	40	50	35	24	37	22	10	26	30	34	-4	14	22	23	20	36	30	22		31.9
	MIN	29	28	19	32	33	21	16	10	11	-3	-8	-1	10	25	21	6	13	7	-8	-7	-7	-4	-15	-15	-5	2	-6	15	6	-3		7.4
CARRINGTON	MAX	55	50	38	42	53	65	37	43	30	17	13	13	25	40	47	33	31	39	36	19	33	37	23	-4	20	19	22	21	31	32		32.0
	MIN	27	27	22	21	35	31	25	26	15	-4	3	3	10	16	23	12	15	14	0	-4	0	3	-15	-16	-14	2	7	7	8	0		10.0
CARSON 2 S W	MAX	52	38	45	65	63	49	50	40	20	25	20	26	44	57	42	31	43	34	14	35	40	35	0	16	28	38	32	38	33	25		35.9
	MIN	26	28	14	27	37	20	26	17	7	-4	6	11	11	25	23	19	19	10	-5	-8	10	-2	-15	-18	8	6	15	14	15	0		11.4
CAVALIER	MAX	48	38	43	45	64	39	35	32	31	16	16	28	36	40	38	32	39	31	14	14	28	24	21	13	16	20	15	29	27	16		29.6
	MIN	32	31	24	26	30	32	29	20	15	5	-6	6	3	22	19	18	18	12	0	-8	10	4	-13	-10	2	0	0	4	6	2		11.1
CENTER	MAX	50	36	53	62	64	43	50	36	38	23	20	25	43	52	34	28	33	30	10	34	43	33	-4	19	21	33	27	38	30	23		34.2
	MIN	27	26	17	22	38	22	19	12	-2	-7	-3	4	2	16	20	12	13	3	-13	-13	13	-7	-15	-13	0	-2	9	12	0	9		7.4
COOPERSTOWN	MAX	40	33	36	42	57	41	36	28	22	5	5	17	32	38	30	24	33	27	13	19	22	26	7	-2	10	12	10	22	19	10		23.8
	MIN	29	25	26	23	28	32	15	15	11	0	-3	0	8	27	20	14	15	7	-3	-13	6	1	-15	-12	-2	0	3	10	5	-10		8.7
CROSBY	MAX	42	42	39	43	63	40	36	40	21	14	20	23	20	41	41	25	37	21	6	15	35	35	3	4	27	27	37	34	36	28		29.8
	MIN	22	24	15	16	32	28	18	18	12	-4	0	8	5	17	12	12	14	5	-6	-5	-2	1	-16	-16	4	9	13	14	4	-7		8.2
DEVILS LAKE W B CITY	MAX	44	35	41	51	63	38	33	30	18	13	12	23	39	43	30	27	37	20	8	30	32	32	-3	15	18	22	21	31	25	9		27.9
	MIN	27	29	23	30	31	24	20	18	6	5	2	4	12	26	21	17	20	5	-4	-6	3	-8	-14	-11	5	5	6	12	6	-1		10.4
DICKINSON CAA	MAX	49	33	43	63	60	42	47	24	17	24	20	27	37	51	42	31	36	22	8	40	41	32	-2	33	27	38	31	40	34	17		33.6
	MIN	28	23	20	38	32	23	24	13	11	2	9	12	13	27	10	4	17	-5	-7	1	19	-10	-14	-13	13	19	18	22	17	5		12.4
DICKINSON EXP STATION	MAX	55	50	35	46	60	61	43	50	25	18	27	22	29	41	52	32	36	39	15	11	39	43	31	5	33	26	39	32	42	35		35.7
	MIN	28	28	20	22	34	22	26	19	13	1	4	10	8	16	25	5	8	13	-9	-9	-1	14	-13	-18	3	14	18	18	16	6		11.4
DRAKE	MAX	58	52	38			52	39		31	17	17	25	26	41	48	31	35	35	16	12	30	35						22	35	28		32.9
	MIN	25	27	18	18	34	32	20	25	15	-4	0	-1	1	19	25	19	15	13	-10	-11	-9	-2						-8	4	-4		10.4
DUNN CENTER	MAX	52	49	34	46	65	53	40	45	21	16	25	22	29	44	49	31	35	30	14	15	36	40	30	-1	33	21	30	34	37	32		33.6
	MIN	28	29	12	12	28	24	24	20	12	-8	-8	10	9	10	19	5	12	12	-13	-17	-16	2	-13	-21	-10	8	10	14	3	2		6.6
DUNSEITH ST SANITARIUM	MAX	42	40	37	50	59	42	31	31	21	10	14	22	36	41	38	25	31	20	11	14	25	25	-2	8	22	23	23	27	23	20		27.0
	MIN	26	30	20	28	24	27	12	20	9	2	-2	-8	6	17	17	20	12	8	-4	-14	0	-2	-16	-13	7	7	9	10	9	-4		8.6
ECKMAN	MAX																													29	19		
	MIN																													-3	-4		
EDGELEY EXP FARM	MAX	77	54	42	43	51	68	39	50	29	19	14	18	26	39	54	43	33	46	28	12	21	34	34	5	15	22	22	24	36	35		34.4
	MIN	31	29	24	17	33	34	21	26	15	-5	-8	-3	6	8	22	18	14	17	-4	-5	-6	11	-13	-14	-6	0	5	3	11	3		9.5
EDMORE 1 W	MAX	44	37	42	49	63	45	32	31	22	12	12	21	36	39	33	29	31	21	12	21	27	28	5	10	16	20	19	30	25	17		27.6
	MIN	24	27	21	24	26	30	18	21	11	-6	-6	-4	7		21	14	15	11	-5	-8	4	4	-14	-11	6	1	4	10	7	0		8.7
ELBOWOODS	MAX	50	39	46	64	56	42	49	37	29	24	23	30	45	49	31	26	39	20	11	32	38	26	10	21	25	26	33	38	30	25		33.8
	MIN	19	28	19	29	33	27	27	18	11	-5	5	4	7	16	18	18	14	9	-10	-8	0	-10	-15	-23	5	1	5	11	2	-1		8.5
ELLENDALE	MAX	55	49	45	59	69	50	51	45	25	17	23	30	45	57	45	32	50	38	23	29	34	39	11	11	23	23	25	40	36	28		36.9
	MIN	35	25	29	20	32	34	31	24	15	-2	-3	5	9	27	27	20	18	18	-1	-6	10	10	-12	-6	2	2	1	6	15	5		13.0
EPPING	MAX	45	35	43	65	58	42	43	30	15	20	27	24	44	45	38	37	36	33	2	33	37	35	9	26	29	30	28	38	31	22		33.3
	MIN	23	26	14	35	36	18	20	15	5	-5	10	12	10	22	18	15		0	-13	-5	0	-4	-15	-14	8	15	15	18	4	-5		9.6
FARGO WB AIRPORT	MAX	47	38	44	48	68	43	45	38	23	16	16	28	42	47	38	33	48	32	14	29	30	30	-2	10	19	21	16	31	30	16		31.3
	MIN	28	25	24	25	32	34	17	23	8	8	11	9	13	27	24	21	21	14	-2	-6	13	-2	-9	-5	10	8	3	10	10	3		13.2
FESSENDEN	MAX	62	39	50	50	61	51	40	30	22	16	18	25	40	42	36	35	30	23	14	30	30	36	21	14	14		23	30	24	14		31.7
	MIN	28	29	21	23	30	31	21	15	10	-3	1	4	10	12	20	18	14	2	-8	-7	1	-2	-15	-14	-1	2	4	3	6	-4		8.4
FORMAN	MAX	55	40	46	55	70	52	52	40	25	16	30	30	43	49	47	35	50	39	20	30	32	36	10	10	20	23	22	35	36	20		35.6
	MIN	35	26	24	19	33	36	23	25	16	1	-4	5	11	32	29	16	16	19	-4	-8	11	8	-10	-8	4	8	4	5	9	5		12.8
FORT YATES	MAX	55	43	44	63	67	50	51	46	23	22	23	28	47	56	45	27	48	40	16	34	38	39	5	18	25	33	32	40	37	30		37.5
	MIN	33	26	22	25	37	29	27	23	15	-4	6	2	13	28	25	20	25	16	-3	-8	13	5	-11	-13	14	2	7	8	12	5		13.3
FOXHOLM WILDLIFE REF	MAX	47	49	44	62	60	45	47	34	20	20	18	24	42	45	44	27	37	26	13	28	24	36	2	16	26	27	23	36	31	25		32.6
	MIN	22	19	29	27	43	31	15	20	11	-5		-2	6	24	18	16	17	-2	-2	-4	-3	-1	-11	-13	6	6	7	15	10	-3		10.2

See reference notes following Station Index

Table 5–Continued

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FULLERTON	MAX	53	47	43	55	69	42	50	44	24	16	20	28	45	53	45	32	47	39	23	28	34	37	21	11	21	24	23	36	33	22		35.5
	MIN	36	24	26	20	33	36	32	24	14	-4	-5	4	0	27	26	19	16	15	-1	-6	12		-10	-6	5		6	6	12	5		13.1
GACKLE	MAX	74		40					64									44	36	24	34	32	19	12	15	21	21	21	34	31	20		
	MIN		25	24					22									21	15	1	4	19	10	4	6	4	7	9	10	12	2		
GARR15ON	MAX	50	37	42	62	62	40	48	25	17	22	20	24	41	49	32	25	34	22	10	33	36	32	-1	21	19	25	23	35	24	11		30.7
	MIN	25	27	17	33	31	20	21	17	1	-4	4	6	10	22	22	15	16	-5	-13	-13	2	-11	-17	-18	5	10	10	9	3	-5		8.0
GRAFTON STATE SCHOOL	MAX	48		43	45	63	52	35	30	25	18	17	24	38	41	39	31	40	32	16	17	28	28	8	4	16	20	18	29	29	19		29.4
	MIN	31		25	23	27	32	27	23	14	6	-4	4	10	24	18	17	17	13	0	-5	10	5	-12	-10	1	8	0	6	10	4		11.2
GRAND FORKS CAA	MAX	45	36	44	44	65	38	37	34	23	16	19	25	40	43	31	29	43	26	11	29	30	33	-1	9	17	20	16	29	22	13		43.9
	MIN	35	32	26	26	28	32	30	22	13	8	2	10	12	28	20	19	22	10	-2	-3	11	-4	-10	-7	4	6	0	10	8	2		13.0
GRAND FORKS UNIVERSITY	MAX	45	40	43	45	63	40	38	33	24	19	18	26	40	43	32	30	45	29	10	22	25	32	6	6	20	23	15	30	23	17		29.4
	MIN	36	32	28	32	30	33	30	24	14	8	4	10	12	32	22	19	18	16	-2	-3	13	6	-10	-7	-7	14	1	8	11	5		14.3
GRAND RAPIDS 1N	MAX	52	50	60	55	68	49	51	45	25	19	17	28	45	53	43	36	42	34	20	29	31	35	11	16	21	26	23	36	36	24		36.0
	MIN	33	28	25	19	29	35	17	25	15	1	-3	1	9	30	23	15	14	19	-2	-9	10	11	-12	-10	-3	-4	10	4	7	4		11.4
GRANVILLE	MAX	53	40	47	61	63	41	49	37	22	19	21	25	44	49	40	27	37	21	14	28	32	33	5	21	26	24	22	26	31	19		32.6
	MIN	20	31	25	29	29	24	14	20	9	-9	0	-3	3	21	20	15	19	6	-6	-9	-3	5	-15	-15	2	5	8	11	5	-6		8.5
GRENORA	MAX	39		45	64			40	35	15	22	25	22	43	45	35	41	31	21	9	38	36	34	-5	25	25	38	32	40	37			32.0
	MIN	25	24	15	35	35	13	24	15	10	0	10	11	10	22	15	15	21	0	-13	-5	0	-15	-15	-14	9	18	18	20	-4	-4		9.8
HANKIN5ON R R 5TATION	MAX	67	51	39	45	55	61	42	50	37	23	21	20	31	45	52	48	39	52	37	15	36	32	36	-1	12	18	22	22	35	35		35.9
	MIN	40	28	24	20	29	33	18	20	20	5	-2	-2	7	9	27	20	20	24	5	-2	-2	9	-10	-10	-2	12	5	9	9	10		12.4
HANNAH	MAX	41	35	40	49	61	35	32	31	23	13	15	21	36	39	27	29	35			19	24	26	0	10	15	19	19	29	18	15		27.0
	MIN	23	29	19	29	30	27	20	20	10	1	-10	-2	9	23	14	16	17			-8	3	0	-16	-14	4	0	6	9	6	-1		9.4
HANSBORO	MAX	40	33	44	49			31	30	20	16	14	22	37	42	33	27		20	9	16	26	22		9	17	21	20	30	21	16		25.6
	MIN	23	26	18	26			15	18	5	3	-5	-7	6	18	13	20		6	-5	-9	0	-4	-17		5	2	5	10	6	-5		6.7
HETTINGER	MAX	52	50	52	64	62	59	48	39	37	32	25	36	43	54	44	37	49	40	25	42	51	37	7	26	29	42	38	39	41	27		40.9
	MIN	33	27	23	40	32	24	23	21	23	1	18	10	16	26	22	6	19	14	3	11	19		-12	-9	15	23	18	19	22	9		17.1
HILLSBORO	MAX	46	39	45	47	66	46	38	37	28	19	15	28	40	47	35	33	45	40	20	24	30	30	11	6	18	21	19	32	30	22		31.9
	MIN	39	28	25	21	38	32	20	28	19	8	11	14	8	24	21	19	14	19	-4	-4	15	11	-12	-8	4	9	0	7	11	5		14.1
JAMESTOWN CAA	MAX	53	37	45	53	67	40	49	35	21	12	14	25	43	52	38	28	44	28	9	33	32	34	-4	16	25	22	23	34	31	13		31.7
	MIN	25	27	23	21	27	25	16	20	6	-1	-7	2	7	26	24	17	21	6	-3	-9	7	-7	-13	-9	0	-1	5	5	11	3		9.1
JAME5TOWN STATE HOSP	MAX	52	40	42	54	67	48	50	40	21	13	14	27	44	49	43	29	43	35	16	28	34	35	17	13	19	22	22	33	30	17		33.2
	MIN	32	28	27	24	32	33	17	21	10	1	-4	3	8	28	24	18	17	15	-3	-6	8	4	-12	-7	7	2	7	8	14	3		12.0
KENMARE	MAX	43	45	38	44	62	57	35	44	24	16	24	22	24	44	43	26	35	33	9	11	33	35	7	-1	21	16	29	31	34	30		30.5
	MIN	25	24	17	17	33	31	19	20	9	-5	1	2	10	22	16	16	18	9	-3	0	0	1	-15	-15	-1	4	11	10	9	-3		9.4
KENSAL WILDLIFE REFUGE	MAX	53	41	45	54	69	52	48	36	23	18	12	26	41	52	43	30	42	31	8	26	31	23	16	11	16	17	21	31	28	12		31.9
	MIN	27	26	23	22	25	31	12	23	13	-1	-3	1	12	21	19	15	15	8	-2	-7	5	16	-12	-14	-1	0	5	8	7	0		9.8
LANGDON EXP FARM	MAX	43	38	40	48	60	48	31	28	20	13	12	21	34	38	32	43	37	23	10	16	17	20	5	8	18	20	17	28	23	15		26.9
	MIN	25	28	20	25	31	29	19	20	10	-5	-7	-4	5	22	15	14	16	10	-7	-10	3	5	-18	-16	2	0	2	7	7	-3		8.2
LEED5	MAX	46	35	42	52	63	44	32	31	22	15	17	23	37	43	34	28	37	22	10	27	30	21	-1	16	21	20	23	32	26	12		28.7
	MIN	23	27	21	23	28	31	16	19	8	0	3	8	7	26	19	17	18	10	-4	-8	0	-1	-15	-14	0	0	7	12	9	-3		9.6
LINTON	MAX	55	40	44	62	67	50	48	45	22	22	21	27	45	57	40	27	47	32	15	34	35	37	4	15	24	31	33	41	37	29		36.2
	MIN	28	25	20	28	30	28	28	22	12	-6	-1	2	4	28	26	22	23	15	-2	-10	10	4	-11	-12	10	2	11	10	8	4		11.9
LISBON	MAX	66	52	40	47	60	70	40	51	33	23	19	18	30	44	51	43	38	50	32	13	33	34	34	13	15	20	23	23	36	34		36.2
	MIN	37	23	23	15	25	36	14	22	17	3	-3	2	9	10	19	17	13	19	-4	-8	-4	10	-13	-13	-9	3	3	3	5	4		9.3
MADDOCK AGR 5CROOL	MAX	47	37	41	52	62	46	34	33	20	12	15	25	37	42	37	27	34	23	12	28	28	29	5	10	25	21	20	30	23	15		29.0
	MIN	23	28	19	25	27	31	13	19	7	-3	8	-5	5	13	21	11	16	11	-9	-13	-1	4	-17	-17	5	1	5	10	5	-5		7.9
MANDAN EXP STATION	MAX	54	51	36	44	63	63	41	50	26	18	19	18	25	45	53	37	26	40	17	6	35	35	23	-2	23	20	29	28	37	32		33.4
	MIN	32	29	21	27	32	26	27	24	15	-3	2	5	9	24	28	19	19	15	-5	-8	-1	16	-11	-12	-6	5	11	11	10	2		12.1
MANDAN FT LINCOLN PARK	MAX	54	34	45	64	67	47	54	45	22	24	22	24	48	57	43	29	42	36	20	31	38	37		15	23	33	32	40	36	27		37.6
	MIN	30	27	21	28	35	26	26	20	15	-4	1	4	12	27	23	19	21	12	-7	-7	5	1	-14	-13	10	12	9	12	10	1		12.1
MARMARTH	MAX	46	40	40			48	46	35	22	28	29		48	50		42	48	34	15	45	48	40	1	30	37	49	44	40	39	31		37.5
	MIN	27	22	20			26	25	17	13	0	23	0	8	8		5	23	10	-4	-12	9	-2	-11	-17	13	23	27	23	16	15		11.4
MAX	MAX	51	52	37	43	61	60	40	48	25	16	20	17	22	40	50	26	34	35	12	7	30	36	17	0	20	22	27	23	37	30		31.3
	MIN	24	25	19	17	31	30	21	22	12	-5	-5	2	6	13	21	18	15	10	-14	-14	-10	2	-15	-17	-10	0	11	10	10	-2		7.6
MAYVILLE	MAX	45	42	46	48	66	50	47	35	24	14	15	27	42	49	39	33	44	33	20	21	31	29	20	1	20	22	17	31	30	17		31.9
	MIN	36	28	26	26	28	23	21	24	14	6	10	12	12	29	22	20	19	17	0	-4	10	10	-10	-7	-2	11	3	7	9	7		13.6
MC CLU5KY	MAX	49	40	40	59	62	46	46	41	22	20	17	24	41	48	38	23	34	28	10	27	31	36	-2	13	18	27	22	33	25	13		31.0
	MIN	29	31	20	28	33	31	21	21	12	-4	4	2	10	24	22	18	17	9	-9	-8	0	-2	-15	-16	6	6	10	12	49	30		10.4
MC HENRY 5 N	MAX	48	37	42	51	65	46	34	33	22	12	11	24	40	45	34	26	38	27	12	24	30	34	4	8	17	20	21	29	24	15		29.1
	MIN	27	25	23	25	31	32	15	21	10	0	-2	0	8	25	21	15	17	12	-7	-8	4	4	-15	-13	5	0	3	8	5	-3		9.6
MC LEOD 3 E	MAX	64	56	49		64	54		46			26	28	43	52	46	38	51	42	36	31	32	33	16	8	18	24	23	27	32	35		37.5
	MIN	31	27	22		24	18	17	24	16	2	2	3	24	22	25	18	20	20	16	-7	10	16	-2	-6	7	9	6	4	6	7		13.1
MEDORA T R N M P	MAX	51	43	45	65	57	46	46	37	20	25	25	34	35	49	36	33	42	34	15	43	41	41	3	31	28	46	42	45	38	33		37.6
	MIN	24	26	12	32	45	25	25	19	14	10	21	22	15	25	23	-1	22	12	5	-2	7	-13	-11	-21	9	20	15	20	13	9		14.1
MINOT CAA	MAX	49	38	43	64	60	37	48	30	18	19	16	23	41	46	27	24	35	18	12	31	34	31	0	23	22	24	21	37	30	9		30.3
	MIN	26	31	18	35	36	20	20	18	-1	-6	1	7	8	25	21	15	18	1	-3	-3	2	-9	-13	-13	6	10	9	14	8	-2		10.0
MINOT EXP FARM	MAX	46	39	42	62	60	41	48	38	20	20	17	23	38	46	35	31	35	25	12	25	31	33	0	13	24	25	20	36	32	24		31.4
	MIN	24	30	17	29	36	28	17	19	9	-6	0	0	7	24	20	15	13	6	-9	-7	-2	-1	-15	-15	5	5	8	16	7	-3		9.2
MOHALL	MAX	44	39	44	61	59	39	41	31	21	20	17	22	41	44	29	26	35	18	12	27	31	27	-3	14	22	24	23	29	27	15		29.3
	MIN	23	29	15	31	27	25	17	21	6	-7	-6	2	7	25	17	19	15	4	-3	-3	0	-7	-15	-16	2	8	9	12	7	-5		8.6
MOTT	MAX	51	43	45	65	62	47	48	41	20	26	22	28	43	55	42	29	44	31	12	37	46	39	2	22	33	39	35	43	38	32		37.3
	MIN	27	26	15	32	26	25	24	19	13	3	9	18	6	17	23	3	18	12	-4	-14	5	2	-12	-20	15	18	15	14	13	5		11.8
MUNICH 4 5W	MAX	43	40	41	50	60	39	32	31	21	21	11	22	34	40	32	26	36	20	9	18	23	26	3	7	17	19	19	29	20	17		26.9
	MIN	23	24	21	26	28	29	16	19	9	0	-6	5	5	22	17	7	17	8	-8	-12	1	-3	-16	-16	4	2	5	11	6	-2		8.1
NAPOLEON 1 SE	MAX	51	40	41	59	64	46	48	41	22	15	15	24	42	54	42	25	42	34	13	33	33	35	2	14	21	29	25	34	30	20		33.1
	MIN	31	23	22	18	41	30	25	21	99	-5	-7	0	10	30	23	19	19	12	-5	-7	10	1	-17	-14	6	-2	7	9	9	-1		10.6
NEW ENGLAND	MAX	50	44	44	64	60	45	42	38	18	26	25	29	40	54	43	30	45	38	13	42	46	37	1	25	34	47	43	43	38	32		37.9
	MIN	28	29	18	31	30	24	25	18	12	3	11	11	10	20	24	0	23	11	-1	-7	13	0	-11	-15	13	19	18	18	19	9		13.4

See reference notes following Station Index

DAILY TEMPERATURES

Table 5-Continued

NORTH DAKOTA
NOVEMBER 1950

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW SALEM 1 S	MAX	56	40	43	65	62	52	51		26	15	19	28				30	38	35	32	35			5	17	27	28	29	38	35	32		35.0
	MIN	31	26	18	32	31	23	21	15	0	- 4	0	5	7	3		13	15	8	- 8	- 6	0	- 5	-15	-15	5	8	8	11	10	8		8.5
OAKES	MAX	64	55	40	48	53	68	38	53	32	22	18	24	30	45	54	47	36	49	32	13	33	32	36	5	16	21	23	24	38	35		36.1
	MIN	38	24	29	17	28	28	25	26	17	1	- 3	- 2	10	10	24	16	18	19	- 2	- 7	- 3	13	-11	-10	- 7	2	5	5	10	5		10.8
PARK RIVER	MAX	48	38	45	48	64	44	35	32	25	44	17	23	38	42	38	31	36	29	14	18	29	31	7	8	15	19	15	30	25	19		30.2
	MIN	32	31	32	25	32	33	26	24	14	9	- 4	3	10	24	26	17	16	14	1	- 1	10	7	-11	- 7	3	5	3	7	10			13.5
PARSHALL	MAX	49	40	44	63	60	41	48	37	20	22	20	27	45	48	32	26	36	27	12	26	27	35	1	17	28	26	24	39	32	21		32.4
	MIN	17	26	12	26	28	27	15	18	8	- 5	1	5	4	15	15	14	15	5	-11	-17	- 6	- 2	-16	-23	6	3	10	10	- 1	- 5		6.5
PEMBINA 2N	MAX	53	43	34	43	43	55	35	36	29	22		18	24	36	40	31	32	40	20	25	23	16	- 1	10	15	17	17	25	15	11		27.8
	MIN	28	29	26	28	32	32	29	28	20	10	- 1	- 1	8	14	18	16	16	15	- 2	- 5	11	-11	-12	- 9	2	- 1	1	3	1	- 3		10.7
PETERSBURG	MAX	45	37	45	50	64	45	33	32	23	13	9	21	38	46	36	34	34	27	15	23	28	23	5	8	16	21	18	30	26	15		28.7
	MIN	29	28	25	25	33	31	20	21	10	0	2	2	10	27	21	16	17	12	- 4	- 7	7	5	-14	-10	4	4	4	9	8	2		11.3
PETTIBONE	MAX	51	37	42	52	64	48	35	35	21	14	12	25	40	48	41	25	39	31	13	31		35	5	13	20	25	18	33	29	13		30.9
	MIN	28	30	21	25	30	29	28	20	10	- 4	3	- 1	8	26	25	17	18	13	- 5	- 5		5	-15	-15	10	0	8	5	7	- 1		11.0
PORTAL	MAX	43	48	38	44	61	55	35	43	28	15	22	21	23	40	43	25	35	25	6	11	33	35	3	2	19	20	27	31	28	24		29.4
	MIN	23	23	13	14	33	29	21	19	9	- 6	- 1	3	6	22	11	18	18	4	- 6	- 6	- 3	2	-18	-19	0	1	11	12	4	- 9		7.6
POWERS LAKE 1N	MAX	46	36	42	61	55	36	41	28	18	20	19	21	40	43	29	30	33	17	10	29	34	32	12	26	26	29	28	34	28	14		30.6
	MIN	26	25	12	30	31	18	19		- 5	- 8	0	5	7	20	18	17	16	0	- 6	- 6	- 2	-15	-18	-18	6	15	15	19	3	-10		7.2
RICHARDTON ABBEY	MAX	51	43	45	65	60	45	48	39	18	24	23	29	39	55	44	26	36	28	10	37	40	38	0	19	34	32	28	40	35	30		35.4
	MIN	31	29	18	33	36	25	27	16	10	4	8	15	13	24	23	10	20	9	- 5	- 3	17	0	-13	-15	14	14	16	17	17	3		13.8
RIVERDALE	MAX	50	36	43	60	62	41	45	33	18	20	17	24	42	50	32	25	37	26	9	35	37	37	1	17	23	25	25	35	29	18		31.7
	MIN	27	24	18	30	35	28	22	18	8	- 3	1	5	-12	25	22	18	19	7	- 4	-12	2	- 5	-15	-15	- 2	0	11	14	6	- 1		8.8
ROLLA	MAX	40	35	40	48	58	38	31	30	19	12	16	23	35	40	36	25	36	19	15	15	25	22	12	13	19	20	20	30	23	13		27.0
	MIN	26	27	23	27	30	26	5	18	9	- 7	- 8	- 2	- 4	18	15	19	17	6	- 7	-11	0	- 8	-16	-13	2	7	5	9	8	- 4		7.2
RUGBY	MAX	46	39	42	53	51	34	34	33	25	14	16	24	37	46	41	26	38	27	11	24	31	30	8	13	21	23	21	31	27	20		28.5
	MIN	24	32	20	30	30	30	16	25	13	0	10	- 1	7	25	20	21	20	11	- 2	- 8	1	1	-15	-15	8	5	8	12	10	- 3		11.2
SANISH	MAX	54	54	38	45	64	58	39	46	29	19	26	23	28	42	47	31	38	38	12	11	33	38	14	2	22	27	25	39	32			33.6
	MIN	20	23	18	18	25	28	21	20	13	- 3	- 4	5	5	12	15	19	17	10	- 6	-15	-10	- 1	-13	-18	-10	12	9	5	0			7.4
SHARON	MAX	47	35	45	47	64	47	34	33	22	11	12	25	40	47	35	32	40	26	13	25	29	32	5	8	19	22	20	31	27	14		29.6
	MIN	28	26	28	25	30	32	18	22	8	2	6	4	11	29	23	16	19	13	- 3	- 5	8	3	-13	-10		5	4	9	1	1		11.6
STANLEY	MAX	46	36	42	61	50	46	43	32	16	20	19	22	44	44	25	34	29	14	12	30	34	31	- 2	16	26	28	27	35	29	14		30.1
	MIN	22	23	13	33	30	16	18	14	- 2	- 6	0	6	8	18	18	16	12	1	-10	- 6	- 2	- 9	-17	-18	7	9	11	17	3	- 1		7.5
STEELE	MAX	52	39	44	58	65	46	51	41	20	22	14	25	44	45	40	26	42	33	13	32	33	35	2	15	20	31	25	36	29	28		33.6
	MIN	26	24	20	20	28	30	20	19	14	-11	- 5	- 2	6	25	22	15	18	11	- 7	-10	10	2	-15	-15	8	- 1	7	7	7	- 1		9.1
TOWNER	MAX	58	48	42	58	57	52	41	34	36	16	22	22	42	47	26	27		18	11	21	21	11	13	15	25	22	26	31	25	29		30.9
	MIN	23	18	15	28	32		18	22	5	- 7	-10	- 5	7	14	15	16		- 2	3	-11	8	- 6	-17	-18	- 2	10	8	6	5			6.4
TURTLE LAKE	MAX	44	50		42	63	61	50	48	25	30					36	24	35	27	17	27	31	37		17	22	25		32	25	14		34.0
	MIN	25	26	17	22	31	31	18	23	13	- 5	0	2	11	9	7	0	17	17	-12	-19	0	21		-19	4	- 2		7	3	- 5		8.6
UNDERWOOD 12 W	MAX	55	58	47	61	62	45	38	38	22	21	20	25	37	35	33	29	28	26	10	31	30	30	6	16	25	24	23	31	29	20		31.8
	MIN	26	29	19	28	27	26	22	21	13	- 3	0	6	6	19	20	18	13	10	- 8	-17	- 2	0	-13	-20	7	- 2	7	12	- 1	0		8.8
UPHAM WILDLIFE REFUGE	MAX	48	42	42	58	64	55	36	35	23	19	22	25	41	49	28	27	36	22	16	21	30	21	3	14	24	28	24	32	30	18		31.1
	MIN	20	29	14	26	26	29	14	14	13	- 7	- 2	- 5	5	4	17	20	18	8	- 2	- 9	- 3	- 2	-15	-17	1	2	11	10	6	-10		7.2
VALLEY CITY	MAX	55	44	44	50	67	62	46	45	25	15	15	27	42	47	38	31	44	38	17	25	32	33		10	17	22	20	33	28	25		34.4
	MIN	36	28	27	19	27	36	18	25	15	3	- 4	2	9	27	20	17	18	21	- 2	- 7	8	12	-11	- 8	6	1	4	8	10	5		12.3
VAN HOOK	MAX	49	40	45	64	60	43	48	37	19	22	22	28	45	45	41	27	36	28	12	26	30	36	1	17	25		25	40	32	27		33.5
	MIN	20	27	14	28	29	27	19	18	12	- 4	4	8	7	17	19	15	15	7	-10	-14	- 1	- 3	-14	-18	8		12	13	3	- 3		8.9
VELVA	MAX	49	38	44	61	61	46	47	37	21	22	18	25	41	48	32	24	36	23	12	30	34	34	6	17	24	23	20	38	31	19		32.0
	MIN	23	31	20	31	25	27	15	21	10	- 4	3	- 1	6	29	20	15	13	8	- 5	- 6	2	6	-13	-12	5	4	5	18	4	- 2		9.9
WAHPETON STATE SCHOOL	MAX	57	44	43	47	70	65	48	45	26	18	17	30	43	49	47	37	52	41	26	30	27	34	20		24	23	18	32	34	26		37.0
	MIN	38	25	23	23	31	38	18	25	17	2	0	14	14	32	25	20	20	25	- 1	- 3	14	18	-10	- 4	5	11	3	7	10	7		14.9
WASHBURN	MAX	53	39	44	62	64	48	49	36	23	22	20	26	45	53	40	25		36	13	30	34	37	2	16	22	32	29	38	35	20		34.2
	MIN	31	27	20	33	35	31	27	20	15	0	3	6	12	23	24	19	15	11	- 6	- 7	5	- 1	-14	-13	8	5	12	14	6	0		4.0
WATFORD CITY	MAX	47	35	45	63	59	43	45	34	17	23	24	28	44	48	36	36	38	31	10	38	40	38							32	24		36.4
	MIN	26	27	16	36	37	23	29	14	9	- 5	11	15	9	22	22	14	21	3	-14	- 8	3	- 4			14	18	16	31	9	- 1		14.0
WESTHOPE	MAX	47	42	46	56	60	37	36	28	22	19	17	20	40	43	26	26	33	17	15	30	19	20	2	12	20	23	22	28	27	11		28.1
	MIN	24	29	16	30	28	30	16	20	4	- 5	0	- 3	5	19	19	18	15	5	- 2	- 5	- 2	- 9	-16	-16	0	7	10	11	7	-5		8.3
WILLISTON WB CITY	MAX	46	37	45	64	58	40	42	25	17	22	24	24	44	46	32	40	38	18	12	35	40	35	2	30	26	37	35	40	33	11		33.3
	MIN	30	25	20	40	35	23	25	16	2	3	14	16	15	25	21	19	18	- 4	- 9	- 2	5	- 8	-12	- 9	13	21	20	24	8	1		13.2
WILLOW CITY	MAX	49	46	46	54	62	38	35	32	22	15	16	24	40	47	30	26	37	21	14	22	26	22	1	15	25	23	22	31	22	14		29.2
	MIN	17	30	18	31	24	28	9	21	11	0	- 1	- 7	5	16	16	19	20	7	- 2	-13	0	- 6	-15	-13	0	- 1	5	7	6	- 4		7.6
WILTON RR STATION	MAX	52	48	34	40	60	61	39	47	24	11	13	18	23	41	48	35	36	36	14	5	34	36	28	- 3	21	17	26	24	34	28		31.0
	MIN	30	26	19	19	27	28	22	21	11	- 4	- 1	- 1	6	8	22	17	15	10	-10	-11	-11	5	-17	-19	-12	2	10	8	8	- 2		7.5
WISHEK	MAX	58	54	38	41	58	65	47	48	28	17	16		24	42	52	42	36	47	31	9	35	35	27	9	19	17	30	28	36	35		35.3
	MIN	33	19	20	14	26	29	27	23	13	-12	- 8		- 3	20	23	19	12	19	- 4	-10	- 3	13	-13	-13	-10	- 4	5	7	9	2		8.7

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Almont 7 5W	SNOWFALL								T							3.2			0.6				T								
	SN ON GND								T							3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	
Amenia	SNOWFALL								2.0	1.0										3.0				1.0							
	SN ON GND								T	T	T	T	T							3	3	2	1	2	2	2	2	2	1	1	1
Ashley	SNOWFALL		1.0					T	0.5								0.5		0.5	T			0.5							
	SN ON GND								T								T													
Beach	SNOWFALL								T	T	T	1.2				2.0			1.2				0.8							
	SN ON GND								T	T	T	1	1			2	1	1	2	2	1	1	1	1	1	1	T	T	T	T	T
Bismarck WB AP	SNOWFALL		0.1		T			T	0.2	T			T			2.0	T		0.8			T	0.3							
	SN ON GND								T	T	T	T	T			2	2	1	1	2	2	2	2	2	2	2	1	1	T	T	T
Carson 2 SW	SNOWFALL								0.2							-			1.0	1.0			1.0							
	SN ON GND								T	-	-	-	-	-	-	-	-	-	4	5	5	3	4	4	4	4	3	3	3	3	3
Center	SNOWFALL															3.0			0.1			T								
	SN ON GND															3	3	3	3	3											
Crosby	SNOWFALL							T	T	T			T	T					T	T	T		T							
	SN ON GND							T	T	T	T		T	T					T	T	T	T	T	T	T						
Devils Lake WB City	SNOWFALL		T			T	T	3.3	1.5	T	T	T	0.3			1.0	T	T	2.2	T	T	0.3	T	T		T		T		
	SN ON GND		T				T	2	5	3	3	3	3	2	1	2	2	2	3	4	3	3	4	3	3	3	3	3	3	3	
Dickinson CAA AP	SNOWFALL		T						T	0.4	0.3	0.2	T			1.7			0.6				0.4							
	SN ON GND								T	T		T	T	T	T	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2
Dunn Center	SNOWFALL								T	0.5		T	T				5.0		0.9	1.0			3	0.5						
	SN ON GND								T	T	T	T	T	T	T		5	4	4	5	4	4		3	3	3	3	3	3	2	2
Edgeley Exp Farm	SNOWFALL									0.2			T	T			0.3		0.3					0.2							
	SN ON GND									T	T						T		T	T				T	T						
Ellendale	SNOWFALL		0.5						1.0	T	T	T	T	T			0.8	T	T	1.0			1.5	0.5						
	SN ON GND								1	1	1	T	T	T	T		1	1	T	1	1	1	2	2	2	2	2	2	1	1	
Fargo WB AP	SNOWFALL		T				T		2.5	0.2	T	T	T	T		T	T		1.0	0.2		0.2	0.6	T	T	0.2	T		T	T
	SN ON GND								1	2	2	2	1	T	T	T	T	T	T	1	1	1	1	2	2	2	2	2	2	2	1
Fessenden	SNOWFALL								1.6								0.7						7.7	3.4					0.7		
	SN ON GND								2	2	2	2	2				1						8	10	10	10	10	10	11	11	11
Forman	SNOWFALL								1.0	T										0.5			T	1.0							
	SN ON GND								1	1	1	1	1							1	1			1	1	1	1	1	1		
Fort Yates	SNOWFALL								T	T			T			0.3	0.5		0.5				0.5							
	SN ON GND								T	T	T		T			T	T	T	1	1	1	1	1	1	1	1	1	1	1	T	T
Grafton 5t. School	SNOWFALL							T	8.0	0.5									T	T			T	T						
	SN ON GND								8	8	6	6	6	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	
Grand Forks CAA AP	SNOWFALL							T	1.4	0.3	T	T	T					T	1.4	T	T	0.7	0.7		0.2	T	T		T	T
	SN ON GND								1	2	2	1	1	1	T	T	T		T	1	1	1	2	3	2	2	1	1	T	T	T
Hettinger	SNOWFALL	2.0											1.5			0.1			0.2					0.5						
	SN ON GND	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jamestown CAA AP	SNOWFALL		T	T				T	3.4	0.5	0.1	T	T			1.3	T		2.5	T		T	0.4							
	SN ON GND								3	3	2	2	2	T	T	T	1	T	T	3	2	2	2	2	2	1	1	1	T	T	T
Langdon Exp Farm	SNOWFALL						0.5	0.5	7.0	1.0									1.0	0.5			0.5	0.4						
	SN ON GND						1	1	8	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-
Linton	SNOWFALL								0.2				T			2.0	1.0		1.0	0.3			1.0							
	SN ON GND												T			2	3	3	2	3	2	2	3	3	3	3	3	2	1	1	1
Lisbon	SNOWFALL									-							-			-				-						
	SN ON GND									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marmarth	SNOWFALL		3.3				T					0.6				2.0				3.0			2.0							
	SN ON GND		2				T					1	-			1	1	T		2								T			T
Mayville	SNOWFALL							T	3.0	1.5		T	T						T	0.3				1.0						
	SN ON GND							T	3	5	4	4	3	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
Mc Clusky	SNOWFALL							T	1.1	0.1						8.0	1.0		1.0	T			T							
	SN ON GND							T	1	1	1	T	T	T	T	8	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9
Mc Henry 5 N	SNOWFALL							T	1.0	T	T		T			2.0			T	1.0			0.5							
	SN ON GND							T	1	1	1	1	1	T		2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Medora T R N M P	SNOWFALL								T			T				3.0			2.4				0.9							
	SN ON GND								T	T						3	2	2	4	4	2	2	3	2	2	2	1	T	T	T	T
Minot CAA AP	SNOWFALL		T					T	2.0	0.1		T	0.2			1.6	T		1.3			T	T						T	
	SN ON GND								2	1	1	1	1	T	T	2	2	2	2	2	1	1	1	1	1	1	1	T	T	T	T
Mohall	SNOWFALL							0.2	0.5										0.7			0.1								
	SN ON GND								1										1			1	-	-	-	-	-	-	-	-	1
Mott	SNOWFALL	T						T	T		0.5	0.5	T			4.5			2.0				1.5							
	SN ON GND								T		T	1	1			5	4	3	5	5	5	4	4	4	3	3	3	2	2	1	1
Napoleon 1 5E	SNOWFALL		T						T							0.5	0.5		0.5	.T			0.3							
	SN ON GND								T	T	T	T	T	T		T	1	T	T	T	T	T	T	T	T	T	T	T	T	T	T
Parshall	SNOWFALL							T	T	T			T			2.0			1.0				T							
	SN ON GND															2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
Pembina 2 N	SNOWFALL								2.0	T								T		-			-							
	SN ON GND								2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petersburg	SNOWFALL					0.8		2.2	1.0	T			T						1.2	0.5				T							
	SN ON GND				-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pettibone	SNOWFALL								2.0							1.0	1.0		0.6	0.1			0.1							
	SN ON GND								2	2	2	2	2	1		1	2	1	1	2	2	2	3	3	3	3	3	3	3	3	3
Portal	SNOWFALL							0.8	0.5	T									0.1	0.1			1.0							
	SN ON GND							1	1	1	1	1	1	1					1	1			1	1	1	1	1	1	1	1	1
Richardton Abbey	SNOWFALL		T					T	T	T		0.1	T			6.8			0.6	0.1			1.3		T					
	SN ON GND							T	T	T	T	T	T	T		6	6	5	5	5	5	4	5	5	5	5	5	4	4	4	

See reference notes following Station Index

SNOWFALL AND SNOW ON GROUND

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Riverdale	SNOWFALL															13.0	T	T	1.2	T	T	T	0.5	T	T							
	SN ON GND															13	11	10	11	10	8	7	7	7	6	6	6	5	5	5	5	
Rolla	SNOWFALL							1.5	3.5	0.3	T		T			T		T	1.4			T	0.4			T					
	SN ON GND							2	5	5	5	5	5	5	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	
Rugby	SNOWFALL							3.0	1.0			T	3.0			2.0	0.5	1.3	0.5	0.7	T		3.0	1.5								
	SN ON GND							2	2			T	3	1		2	2	2	1	1	T		T	T								
Sharon	SNOWFALL							T	2.0			T	T			0.5			T	1.0			0.5									
	SN ON GND							T	2	2	2			1	T	1	1	T	T	1	1	1	2	2	2	1	1	1	1	1	1	
Stanley	SNOWFALL								-				-						-			-										
	SN ON GND								-	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	
Steele	SNOWFALL							1.0								3.0			1.0	T												
	SN ON GND							1	-	-	-	-	-			3	3	1	2	2	-	-	-	-	-	-	-	-	-	-	-	
Upham Wildlife Ref	SNOWFALL		T					T	2.0	T						0.5	T		0.5			T									
	SN ON GND								2	2	2	2	2	-	-	-	1	1	2	2	2	2	2	2	2	-	-	-	-	-	-	
Velva	SNOWFALL		T					0.5	1.5	T			T			4.5	T		2.5		T	T	T								
	SN ON GND								2	2	2	2	2	1	T	5	5	4	6	5	5	4	4	4	3	3	3	3	3	2	2	
Wahpeton St. School	SNOWFALL								0.5	1.0										0.5			T	0.5								
	SN ON GND								T	1	1	1	1	1						-	-					-	-	-	-	-	-	
Watford City	SNOWFALL								0.2										2.5													
	SN ON GND								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Williston WB City	SNOWFALL							T	T	T	0.1	0.1	T			T		T	1.1			T	0.2			T		T		0.2	
	SN ON GND								T	T	T	T	T	T					1	1	1	T	T	T	T	T	T	T	T	T	T	

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 55W, indicate distance in miles and direction from the post office.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830 CST.

- No record in Tables 3, 4, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
+ And also on a later date or dates.
* Amount included in following measurement, time distribution unknown.
// Gage is equipped with a windshield.
6 Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
B Adjusted to a full month.
E Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M One or more days of record missing; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.
R Daily values and monthly total from recording gage. All other data in Table 3 are from non-recording gages.
T Trace, an amount too small to measure.
V Includes total for previous month.
SS This entry in time of observation column in Station Index means observation made near sunset.

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W.B.O., Kansas City, Mo. -- 1-18-51 -- 1070

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Adams 7 S	0022	Walsh	10	48 20	98 06			6P	Myron J. Bata	3
Alexander RR Station	0096	McKenzie	13	47 50	103 38	1200		6P	Arthur J. Gauman	3
Almont 7 SW	0136	Morton	4	46 43	101 39	2300	7P	7P	Hogan Ramsland	2 3 5 7
Alpha 1 S	0149	GoldenValley	7	46 37	103 49			7P	H. A. Bury	3
Ambrose	0189	Divide	12	48 58	103 28	2060		6P	Ronald L. Haneon	3
Amenia	0198	Cass	11	47 00	97 13	960	8S	8S	Virgil L. Gebeke	2 3 5 7
Amidon	0209	Slope	1	46 30	103 19	2910	8A	8A	Tafisld Zundel	2 3 4 5
Antler	0263	Bottineau	12	48 58	101 20	1540			W. M. Wegner	3 4
Arvilla State Park	0369	Grand Forks	10	47 56	97 30	960	6P	6P	Albert Thoren	2 3 5
Ashley	0382	McIntosh	8	46 02	99 22	2025	8A	8A	Soo Line Agent	2 3 4 5 7
Baldhill Dam	0450	Barnes	11	47 02	98 05	1300	8A	8A	F. A. Johnson	2 3 5
Balfour	0492	McHenry	12	47 57	100 32	1615		MID	Raymond K. Weller	3 4
Balta	0500	Pierce	11	48 10	100 02			6P	Nick Schaan	3
Bantry	0516	McHenry	12	48 30	100 36			6P	Temple K. Roberts	3
Beach	0590	GoldenValley	7	46 55	104 01	2814	6P	6P	Luther F. Hodgin	2 3 4 5 7
BeIcourt Indian Res.	0626	Rolette	9	48 50	99 45	1960	7P	7P	Turtle Mt. Ind. Ag.	2 3 4 5
Belfield	0639	Stark	4	46 57	103 11	2592	7P	7P	Carl Indergaard	2 3 5
Berthold	0729	Ward	12	48 19	101 44	2080		6P	Joseph 8. Cox	3
Beulah	0766	Mercer	6	47 16	101 47	1780		7P	Knife Riv. Coal Co.	3 4
Bisbee	0796	Towner	2	48 37	99 22	1600	6P	6P	Robert J. Krick	2 3 5
Bismarck WB City	0814	Burleigh	8	46 48	100 43	1670	5P	5P	U.S.Weather Bureau	2 3 5
Bismarck WB Airport	0819	Burleigh	8	46 46	100 45	1650	MID	MID	U.S.Weather Bureau	2 3 4 5 7
Bottineau	0941	Bottineau	12	48 50	100 27	1638	8A	8A	N.D. Schl of Frstry	2 3 5
Bowbells	0961	Burke	12	48 48	102 15	1953	8A	8A	Felix L. Adams	2 3 5 7
Bowman Court House	0995	Bowman	3	46 11	103 23	3872	5P	5P	O. B. Hook	2 3 4 5
Breien	1052	Worton	1	46 24	100 57	1720		MID	Frank E. Potter	3 4
Butte	1225	McLean	12	47 50	100 40	1880	5P	5P	Art F. Peterson	2 3 5
Condo	1280	Towner	2	48 38	99 12			5P	Harry S. Harris	3 4
Carrington	1360	Foster	5	47 27	99 08	1579	7A	7A	Soo Line Agent	2 3 5
Carson	1365	Grant	4	46 25	101 34	2300		MID	Vincent Muggli	3 4
Carson 2 SW	1370	Grant	4	46 23	101 35	2500	7P	7P	J. W. Evens	2 3 5 7
Cavalier	1435	Pembina	9	48 48	97 38	894	5P	5P	T. M. Thoreteinson	2 3 5
Center	1456	Oliver	8	47 07	101 18	2100	7P	7P	Fred L. Reinz	2 3 5 7
Colgate	1686	Steele	10	47 14	97 39	1180		6P	John P. Burchill	3
Columbus	1696	Burke	12	48 54	102 47	1930		6P	J. D. Sundell	3
Cooperstown	1766	Griggs	11	47 26	98 07	1428	5P	5P	R. J. Lockner	2 3 5
Courtenay	1816	Stutsman	5	47 13	99 34	1523		6A	G. H. Hanawalt	3
Crosby	1471	Divide	12	48 56	103 18	1934	7A	7A	Vernon V. Nichols	2 3 4 5 7
Dawson	2018	Kidder	8	46 52	99 45	1730		MID	Ralph W. Wise	3 4
Devils Lake WB City	2158	Ramsey	2	48 07	98 52	1471	MID	MID	U.S.Weather Bureau	2 3 4 5 7
Dickinson CAA AP	2183	Stark	4	46 48	102 48	2587	MID	MID	U.S.Civil Aero Adm	2 3 4 5 7
Dickinson Exp. Station	2188	Stark	4	46 53	102 48	2460	7A	7A	Leroy Moomaw	2 3 5 6
Donnybrook	2242	Ward	12	48 31	101 53	1760		6P	William Bowman	3
Drake	2298	McHenry	12	47 55	100 22	1634	8P	8P	Paul Kuntz	2 3 5
Dunn Center	2365	Dunn	6	47 21	102 37	2191	6A	6A	Charles C. Neustel	2 3 5 7
Dunseith St. Sanitarium	2385	Rolette	12	48 50	100 02	2001	5P	5P	N. D. State Hospital	2 3 5
Eckman	2472	Bottineau	12	48 39	101 03	1500	7A	7A	E. R. Sherman	2 3 5
Edgeley Exp. Farm	2482	La Moure	5	46 20	98 42	1568	8A	8A	N.D. Agri. Exp. Sta.	2 3 4 5 6 7
Edmore 1 W	2525	Ramsey	2	48 25	98 29	1524	8P	8P	Mike Davis	2 3 5
Elbowoods	2570	McLean	8	47 35	102 09	2082	6P	6P	M. W. Case	2 3 5
Elgin 5 S	2592	Grant	1	46 21	101 49			6P	Art A. Eslinger	3
Ellendale	2605	Dickey	5	46 00	98 31	1460	8P	8P	Paul Gress	2 3 5 7
Epping	2735	Williams	8	48 18	103 21	2224	6P	6P	T. Deackler	2 3 5
Esmond	2767	Benson	11	48 02	99 46	1650		MID	Lyle O. Fering	3 4
Fairfield 8 N	2808	Billings	7	47 19	103 12	2650		8P	Mrs. Edith Larson	3
Fargo WB Airport	2859	Cass	10	46 54	96 48	895	MID	MID	U S Weather Bureau	2 3 4 5 7
Fessenden	2949	Wells	5	47 39	99 37	1610	6P	6P	John V. Zuber	2 3 5 7
Flasher	3009	Morton	1	46 27	101 14	1930		8A	George W. Sinclair	3
Flaxton	3019	Burke	12	48 54	102 23	1940		6P	Palmer M. Dunham	3
Forman	3117	Sargent	10	46 08	97 38	1249	6P	6P	Art Waterman	2 3 5 7
Fort Yates	3207	Sioux	8	46 08	100 38	1640	SS	SS	Stand Rk Indian Agy	2 3 4 5 7
Foxhole Wildlife Refuge	3217	Ward	12	48 27	101 33	1609	5P	5P	U S Wildlife Refuge	2 3 5
Fryburg	3277	Billings	4	46 53	103 18	2790		7A	Herman J. May	3 4
Fullerton	3287	Dickey	5	46 10	98 25	1439	6P	6P	F. O. Alls	2 3 5
Gackle	3309	Logan	5	46 38	99 08	1951	6P	6P	Alvil Hummel	2 3 5
Garrison	3376	McLean	8	47 38	101 25	1911	MID	MID	Albert J. Beirele	2 3 4 5
Glndstone 22 N	3446	Dunn	6	47 11	102 39				Richard Dalley	3 4
Glen Ullin	3496	Morton	4	46 49	101 49	2090		MID	Frederick J. Anhorn	3 4
Golva 1 SE	3558	GoldenValley	7	46 47	103 57	2780		MID	U.S.Civil Aero Adm	3 4
Grafton State School	3594	Walsh	10	48 25	97 26	827	5P	5P	Dr. J. C. Lamont	2 3 5 7
Grand Forks CAA AP	3616	Grand Forks	10	47 56	97 05	834	MID	MID	U S Civil Aero Adm	2 3 4 5 7
Grand Forks University	3621	Grand Forks	10	47 55	97 05	830	MID	7P	University of N. D.	2 3 5
Grano	3676	Renville	12	48 37	101 35	1625		MID	Oswald N. Bjornlie	3 4
Granville	3686	McHenry	12	48 16	100 51	1504	7P	7P	Fred Kaiser	2 3 5
Grassy Butte	3696	McKenzie	7	47 24	103 14	2660			Eam Charchenko	3 4
Grenora	3736	Williams	8	48 37	103 56	2114	5P	5P	L. D. Nielson	2 3 5
Baley	3836	Bowman	3	46 58	103 08				J. E. Crawford	3 4
Balliday	3846	Dunn	6	47 21	102 20	2073		6P	John Kisse	3 4
Hankinson RR Station	3908	Richland	10	46 04	96 54	1068	7A	7A	Soo Line Agent	2 3 5
Bannaford	3926	Griggs	11	47 18	98 12	1428		MID	Helen Benson	3 4
Hannah	3936	Cavalier	9	48 59	98 41	1570	6P	6P	U S Customs Office	2 3 5
Bansboro	3963	Towner	9	48 57	99 23	1597	7P	7P	W. 8. Oisher	2 3 5
Barvey Water Works	4013	Wells	11	47 45	99 53	1596		6P	B. J. Reynolds	3
Haynes 6 NE	4073	Adams	1	46 01	102 24	2640		MID	Byron S. Bobb	3 4
Bazelton RR Station	4083	Emmons	8	46 29	100 17	1978		MID	Ephraim Zacher	3 4
Bettinger	4178	Adams	3	46 00	102 38	2680	6A	6A	Gerhard Christianson	2 3 4 5 7
Billsboro	4203	Traill	10	47 24	97 04	901	6P	6P	Alfred Jahnke	2 3 5
Burdsfield	4343	Wells	5	47 27	99 55	1915		MID	Mrs. Ruth Duchwitz	3 4
Jamestown CAA AP	4413	Stutsman	5	46 55	98 41	1497	MID	MID	U S Civil Aero Adm	2 3 4 5 7
Jamestown State Hospital	4418	Stutsman	5	46 53	98 40	1457	7P	7P	N.D. State Hospital	2 3 5
Kenmare	4646	Ward	12	48 40	102 05	1800	8A	8A	Theo E. Eckberg	2 3 4 5
Kensal Wildlife Refuge	4656	Stutsman	5	47 15	98 52	1440	7P	7P	U S Wildlife Refuge	2 3 5
Killdeer 8 NW	4726	Dunn	7	47 26	102 53	2240		7A	Leonard J. Davis	3
Kramer 5 SE	4823	Bottineau	12	48 39	100 37			MID	Paul A. Kretschmar	3 4
La Moure	4937	La Moure	5	46 21	98 18	1332	7P	7P	CLOSED - - - - -	10-24-50
Langdon Exp. Farm	4958	Cavalier	9	48 45	98 21	1615	5P	5P	W. Sturlaugson	2 3 5 7
Lansford	5002	Bottineau	12	48 38	101 22	1600		6P	C. L. McKeen	3
Larimore	5013	Grand Forks	10	47 54	97 38	1134	7P	7P	Elem Peterson	2 3 5
Leeds	5073	Benson	2	48 17	99 26	1515	7P	7P	John Fager	2 3 5
Lefor 10 E	5088	Stark	4	46 38	102 21	2580		5P	Josepb Link	3
Linton	5210	Emmons	8	46 16	100 14	1711	8P	8P	Willlam Heyerman	2 3 5 7
Lisbon	5220	Ransom	11	46 26	97 41	1091	7A	7A	Robert W. Jodsaas	2 3 5 7
Maddock Agri. School	5434	Benson	11	47 58	99 30	1604	6P	6P	Benson Cy Agr Schl	2 3 5
Mandan Exp. Station	5479	Morton	4	46 48	100 54	1750	8A	8A	No G.P. Field Sta.	2 3 4 5 6
Mandan Ft. Lincoln Park	5484	Morton	8	46 47	100 52	1700	6P	6P	Park Supt.	2 3 5
Manning	5519	Dunn	6	47 14	102 46			6P	CLOSED - - - - -	4/1/50
Marmarth	5573	Slope	7	46 18	103 55	2714	6P	6P	S. P. Grane	2 3 5 7
Marmarth M & U Co.	5575	Slope	7	46 18	103 55	2710			E. 8. Jestnes	3 4
Martin	5610	Sheridan	11	47 50	100 07	1610		6P	John W. Magnuson	3
Max	5638	McLean	8	47 49	101 17	2093	7A	7A	Soo Line Agent	2 3 5
Mayville	5660	Traill	10	47 30	97 19	975	6P	6P	B. A. Ragaz	2 3 5 7
McClusky	5710	Sheridan	8	47 29	100 29	1943	6P	6P	Elmer L. Schielke	2 3 5 7
McGregor RR Station	5720	Williams	8	48 36	102 56			MID	Martvin Hermanson	3 4
McHenry 5 N	5730	Eddy	11	47 38	98 35	1509	8P	8P	C. E. Blasky	2 3 5 7
McLeod 3 E	5754	Richland	11	46 24	97 14	1075	7P	7P	J. G. Carlson	2 3 5
McVille	5764	Nelson	10	47 46	98 11	1467		6P	B. B. Kniefel	3
Medina 1 W	5798	Stutsman	8	46 53	99 19			6P	Rudolph Graf	3
Medora TRNMP	5813	Billings	7	46 58	103 30	2250	5P	5P	U S Forest Service	2 3 5 7
Melville	5833	Foster	5	47 20	99 02	1625		MID	Edgar 8. Stegmeier	3 4
Minot CAA AP	5938	Ward	12	48 15	101 17	1724	MID	MID	U S Civil Aero Adm	2 3 4 5 7
Minot Exp. Farm	5993	Ward	12	48 10	101 18	1720	6P	6P	N C Agri Exp Sta	2 3 5
Moffit RR Station	6015	Durleigh	8	46 41	100 18	1760		9A	Soo Line Agent	3
Mohall	6025	Renville	12	48 46	101 31	1639	9P	9P	Iver Johnson	2 3 5 7
Montpelier	6105	Stutsman	5	48 42	98 35			8A	Rolf Ransom	3
Mott	6155	Mettinger	1	46 23	102 20	2420	SS	SS	Forrest E. Coffing	2 3 4 5 7
Munich 4 SW	6195	Cavalier	2	48 34	98 53	1590	7P	7P	Harold Feldner	2 3 5
Napoleon 1 SE	6255	Logan	5	46 29	99 47	1955	7P	7P	Gladys J. Peterson	2 3 4 5 7
New England	6315	Hettinger	1	46 33	102 52	2621	5P	5P	Adna S. Hatch	2 3 5
New Rockford	6350	Eddy	5	47 41	99 06	1555		8S	CLOSED ---------	10-23-50
New Rockford 7 WNW	6355	Eddy	5	47 33	99 16	1550		6P	Richard Steinbach	3
New Salem 1 S	6365	Morton	4	46 50	101 25	2163	6P	6P	William F. Gaebe	2 3 5
Noonan	6455	Divide	12	48 53	103 01	1960		6P	George Kostek	3
Northgate	6535	Burke	12	49 00	102 16	1850			U S Customs Station	3 4
Oakes	6620	Dickey	5	46 08	98 05	1320	8A	8A	C. M. Hagen	2 3 4 5
Park River	6857	Walsh	10	48 23	97 45	998	5P	5P	Martin Severson	2 3 5
Parshall	6867	Mountrail	1	47 57	102 08	1929	6P	6P	C. E. Shubert	2 3 5 7
Pembina 2 N	6947	Pembina	10	49 00	97 14	790	7A	7A	U.S.Customs & Immig.	2 3 4 5 7
Petersburg	7027	Nelson	10	48 01	98 00	1524	5P	5P	Rev. Ddean Monson	2 3 5 7
Pettibone	7047	Kidder	8	47 07	99 31	1560	7P	7P	L. A. Dethloff	2 3 5 7
Portal	7201	Burke	12	49 00	102 33	1954	9A	9A	U S Customs Ser.	3 5 7
Powers Lake 1 N	7281	Burke	8	48 34	102 38	2205	7P	7P	Berbert J. Clark	3 7
Pretty Rock	7311	Grant	1	46 14	101 51			6P	Freda Leer	3
Raub	7405	McLean	8	47 44	102 04			MID	Alvin Larson	3 4
Reeder	7450	Adams	3	46 06	102 57	2810		6P	Henry A. Donner	3
Reeder 14 N	7452	Slope	1	46 19	102 57	2960		8A	Chas. M. Metzinger	3
Richardton Abbey	7530	Stark	4	46 53	102 19	2467	5P	5P	Assumption Abbey	2 3 4 7
Riverdale	7535	McLean	8	47 30	101 21	1910	5P	5P	Corps of Engineers	2 3 4 5 6 7
Rolette	7655	Rolette	12	48 40	99 50	1625	MID	MID	George F. Gehres	3 4
Rolla	7664	Rolette	9	48 52	99 37	1860	7P	7P	Theo D. Fagerlund	2 3 7
Rugby	7704	Pierce	12	48 22	100 00	1560	6P	6P	Frank Bornstein	2 3 5 7
Ryder	7749	Ward	8	47 55	101 40	2108		9A	S. C. Schellenbaum	3 4
Sanish	7834	Mountrail	8	47 59	102 32	2135	7A	7A	H. J. Bugge	2 3 5
Sarles	7644	Cavalier	9	48 57	99 00	1535		MID	Clarence J. Olson	3 4
Selfridge 11 W	7952	Sioux	8	46 01	101 10	2113		7P	L. E. Hillson	3
Sharon	7986	Steele	10	47 36	97 54	1516	8P	8P	Hugh Lyon	2 3 5 7
Sherwood	8047	Renville	12	49 00	101 31	1647		6P	U S Custom. Service	3
Sheyenne	8057	Eddy	11	47 50	99 07	1500		MID	Pehr A. Peterson	3 4
Shield	8065	Grant	1	46 14	101 07			6P	Edwin O. Carlson	3
Stanley	8276	Mountrail	8	48 19	102 24	2260	7P	7P	Leroy Edwards	2 3 4 5 7
Steele	8366	Kidder	8	46 51	99 55	1857	8P	8P	Leon V. Lesher	2 3 5 7
Tagus	8627	Mountrail	12	48 20	101 56	2179		6P	George N. Pilgard	3
Tioga	8737	Williams	8	48 24	102 56	2279		6P	L. A. Simon	3
Tolley 4 NE	8764	Renville	12	48 46	101 47			6P	Carmie Nelson	3
Towner	8792	McHenry	12	48 21	100 24	1482	7P	7P	August D. Rieder	2 3 5
Trotters	8807	GoldenValley	13	47 20	103 54	2420		5P	Walter Grunewald	3
Trotters 3 S	8812	GoldenValley	13	47 17	103 54	2420		MID	John O. Nellemoe	3 4
Turtle Lake	8840	McLean	8	47 31	100 53	1699	9A	7P	Art Klungtvedt	2 3 5
Tuttle 8 SW	8850	Kidder	8	47 02	100 04	1936		8P	Adam Leno	3
Underwood 12 W	8877	McLean	8	47 26	101 24	1750	6P	6P	Mrs. F. T. Mattoon	3 5
Upham Wildlife Refuge	8913	McHenry	12	48 37	100 44	1425	5P	5P	U S Wildlife Refuge	2 3 5 7
Valley City	8937	Barnes	11	46 55	98 00	1229	6P	6P	Miss I.C.Robertson	3 5
Van Rook	8970	Mountrail	8	47 57	102 21	1864	9P	9P	Erwin A. Ventsch	2 3 5
Velva	8990	McHenry	12	48 03	100 55	1511	6P	6P	Oscar Anderson	2 3 5 7
Verona	9035	La Moure	5	46 22	98 04			10A	Louis J. Frandson	3
Wahpeton Power Plant	9095	Richland	10	46 17	96 36	962		MID	Victor Burton	3 4
Wahpeton State School	9100	Richland	10	46 16	96 36	962	5P	5P	St Sch of Science	2 3 5 7
Walhalla	9155	Pembina	9	48 56	97 54	950		7P	Joseph A. Menier	3
Washburn	9195	McLean	8	47 17	101 02	1734	6P	6P	Fred F. Jefferis	2 3 5
Washburn Water Works	9205	McLean	8	47 17	101 02	1730			Washburn Water Wks	3 4
Watauga 9 N, S. Dak.	9219	Grant	1	46 02	101 34			6P	John C. Spicer	3
Watford City	9233	McKenzie	8	47 48	103 17	2084	8P	8P	J. C. Zeller	2 3 5 7
Westhope	9333	Bottineau	12	48 55	101 01	1504	6P	6P	Rev. R. Carey	2 3 5
Wildrose	9400	Williams	8	48 09	103 10	2258		6P	Jonathan Winkler	3
Williston WB City	9425	Williams	8	48 09	103 35	1877	MID	MID	U S Weather Bureau	2 3 4 5 7
Willow City	9445	Bottineau	12	48 36	100 17	1471	8P	8P	O. M. Sanderson	2 3
Wilton RR Station	9455	McLean	8	47 09	100 48	2159	8A	8A	Soo Line Agent	2 3 5
Wishek	9515	McIntosh	8	46 16	99 34	2010	8A	8A	M. M. Larson	2 3 5
Zahl	9635	Williams	8	48 34	103 41	2000		6P	Ola Severtsen	3

NEW STATIONS

Bowbells 5 E	0966	Ward	12	48 47	102 08	1925	8A	8A	Development Farm	2 3 5 6 7
Glen Ullin 18 N	3501	Mercer	6	47 04	101 47			6P	Adam M. Leier	3
Golden Valley 10 S	3529	Mercer	6	47 10	102 03			5P	Robert H. Rackfisch	3
Grassy Butte 10 N	3701	McKenzie	7	47 31	103 14			6P	Edsel G. Crist	3
Keene	4471	McKenzie	8	48 00	102 55			6P	Donald M. Lund	3
Watford City 11 E	9231	McKenzie	6	47 47	103 02			MID	Ida Peterson	3 4
Grand Rapids 1 N	3665	La Moure	5	46 29	98 21	1360	6P	6P	Albert J. Ness	2 3 5

‡ Drainage Code: 1. Cannonball 2. Devils Lake 3. Grand 4. Heart 5. James 6. Knife 7. Little Missouri 8. Missouri 9. Pembina 10. Red 11. Sheyenne 12. Sourls 13. Yellowstone

Reference Notes for this issue may be found on Page 187.

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Nat. Hist
MAR 23 1951

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CLIMATOLOGICAL DATA

NORTH DAKOTA

DECEMBER 1950
Volume LIX No. 12

NAT. HIST.

KANSAS CITY: 1951

NORTH DAKOTA - DECEMBER, 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

December was another cold month with somewhat more snow than normal. Ten months of the year 1950 have turned out to be colder than normal. A mild period just before Christmas was quickly followed by moderate snow and much colder weather during the last week.

The average temperature for the state was 10.0 degrees or 4.0 degrees below the normal. The eastern division experienced an average of 7.5 degrees for 5.2 degrees below their normal. The middle division with 4.1 degrees below normal had a mean temperature of 9.2 degrees. The western division had a mean temperature of 13.5 degrees which is 2.6 degrees below normal. The highest temperature for the state was 54 degrees recorded at Amidon on the 23rd. The lowest temperature was recorded at Belcourt on the 26th when 39 degrees below zero was observed. This makes an absolute range in temperature over the state of 93 degrees. The highest mean temperature in the state was reported in the southwest where Marmarth enjoyed 22.1 degrees which is 3.6 degrees above normal for that station. At the other extreme was Pembina with a mean temperature of 2.0 degrees which is 5.0 degrees below the normal for that station. Stations in the extreme southwest corner of the state were the only ones to report above-normal temperatures.

Precipitation for the state as a whole averaged slightly above normal with the total being 0.57 inch. This is 0.09 inch above the long-time average. The west, southwest, and northeast sections of the state were below normal. By divisions the east averaged 0.60 inch which is 0.06 inch above normal, the middle 0.66 inch which is 0.21 inch above normal, and the west received 0.43 inch which is 0.02 inch below the normal. Snowfall for the month was 7.4 inches which compares with a normal of about 5 inches. It ranged from 14.2 inches at Wahpeton and Amenia to about 0.2 inch at Hettinger.

The month opened generally cold and the first week was considerably below normal. Frequent snow flurries occurred during this period. Then for the rest of the month conditions were quite variable. A mild period a few days before Christmas sent temperatures into the 40's at many stations, especially in the southwest. Many stations particularly in the west and southwest lost a great deal of snow during this period. It provided a welcome break in the cold weather that had preceded it. However, it was brought to a sharp end when snow began falling Christmas eve at most places in the state, and by the evening of the 25th 4 to 8 inches had fallen over much of the state. The southwest and the northeast portions received little or no snow from this storm. It was accompanied by northeasterly winds of moderate strength. Considerable drifting accompanied the storm and highways in the central portion of the state were blocked. Following the storm temperatures fell sharply in all sections of the state to the lowest levels of the month. There was quite heavy snow cover throughout the month. Yard feeding of livestock was necessary. Although there were no severe storms during the month, frequent moderate winds resulted in blocked secondary roads. Main highway travel was not seriously interrupted.--CJS

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ACKNOWLEDGMENTS

In addition to the climatological data from some 8,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages --mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	Degree days 65° base
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
Bismarck WB Airport	E	16	8.0	44	NW	14	84	82	78	82	18	7	2	0	0	0	27	46	7.4	See Table 2
Devils Lake WB City	-	-	7.9	27	NW	14	-	-	-	-	21	6	2	0	0	0	29	40	7.4	
Fargo WB Airport	NNW	26	12.0	34	NW	14	73	73	71	73	16	8	2	0	0	0	26	42	7.2	
Williston WB City	-	-	5.8	22	SW	24	80	81	75	77	17	7	2	0	0	0	26	37	7.6	

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1892	7.1	60	-39	0.57	7.7	4
1893	4.7	55	-36	0.85	8.4	6
1894	19.1	70	-32	0.29	1.6	2
1895	13.8	62	-32	0.31	2.6	3
1896	16.4	53	-35	0.36	2.6	3
1897	10.8	69	-35	0.22	2.2	3
1898	12.1	51	-38	0.24	2.1	3
1899	12.8	60	-26	0.32	3.3	3
1900	17.3	58	-29	0.31	3.0	4
1901	12.4	61	-43	0.74	7.2	5
1902	7.8	49	-35	0.51	4.2	4
1903	11.6	57	-33	0.77	7.2	6
1904	14.2	55	-43	0.65	6.2	5
1905	15.3	55	-34	0.16	1.6	4
1906	8.4	48	-40	1.09	10.7	6
1907	20.1	68	-26	0.30	3.1	3
1908	14.4	62	-37	0.36	3.7	3
1909	5.2	54	-42	1.28	12.1	7
1910	12.9	56	-34	0.43	4.6	4
1911	14.9	61	-33	0.35	4.5	4
1912	18.9	72	-28	0.43	4.0	4
1913	22.7	61	-21	0.06	0.3	1
1914	5.4	57	-42	0.47	5.7	4
1915	15.8	57	-27	0.52	5.4	5
1916	2.7	61	-50	1.18	13.9	5
1917	0.7	58	-44	0.59	7.4	6
1918	18.5	65	-41	0.88	9.9	5
1919	7.4	49	-38	0.47	4.8	3
1920	15.2	59	-32	0.32	3.2	3
1921	16.5	59	-33	0.41	3.9	4
1922	8.5	55	-34	0.68	7.4	5
1923	22.2	62	-36	0.32	3.6	3
1924	2.9	58	-46	0.44	5.3	4
1925	16.5	67	-38	0.28	2.6	3
1926	9.2	55	-36	0.56	5.5	3
1927	1.8	43	-38	0.80	8.7	5
1928	20.7	57	-30	0.32	3.2	3
1929	12.5	59	-38	0.81	9.9	5
1930	19.9	53	-30	0.19	2.0	3
1931	21.0	58	-21	0.23	2.7	2
1932	12.4	60	-31	0.20	1.7	3
1933	8.6	62	-38	0.90	9.7	6
1934	12.6	53	-44	0.30	3.9	5
1935	12.6	51	-34	0.50	5.6	5
1936	15.0	59	-36	0.43	5.5	4
1937	11.4	51	-33	0.54	6.5	6
1938	18.2	55	-41	0.32	4.1	4
1939	26.7	70	-20	0.28	2.3	4
1940	19.8	59	-36	0.42	4.0	4
1941	22.5	66	-20	0.15	1.8	3
1942	10.9	53	-30	0.53	7.1	7
1943	21.5	65	-22	0.12	1.0	2
1944	15.8	50	-27	0.06	0.9	1
1945	7.0	56	-38	0.64	8.8	6
1946	13.3	55	-35	0.58	6.2	6
1947	14.2	54	-36	0.42	5.5	4
1948	10.4	59	-35	0.70	9.7	7
1949	8.6	61	-38	0.65	8.3	6
1950	10.0	54	-39	0.57	7.4	6
PERIOD	13.3			0.48	5.2	

CLIMATOLOGICAL DATA

Table 2

Station	Temperature									Precipitation									
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	No. of days		Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail			No. of days		
								Max. 90° or above	Min. 32° or below					Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
EASTERN DIVISION																			
Amenia	8.1	-4.7	40	23	-25	26+	1761	0	31	1.44	.92	.53	25	14.2	8	25	6	3	0
Arvilla State Park	6.4M		40	22	-30	26	1807	0	31	.29		.08	14+				7	0	0
Carrington	6.6	-6.0	41	23	-29	27		0	31	.42	.01	.18	5	5.3			4	0	0
Cavalier	6.2M	-4.3	40	23	-23	26	1814	0	31	.55	- .14	.22	13				4	0	0
Cooperstown	2.5M	-10.5	30	22	-30	26	1948	0	31	.90	.32			10.4			5		0
Devils Lake WB Airport	6.4	-3.1	40	22	-28	26	1815	0	31	.68	.14	.38	25	10.1	10	25+	8	1	0
Edgeley Exp. Farm	9.7	-5.3	47	23	-30	26+		0	31	.52	.03	.34	25	5.4	5	26+	4	1	0
Edmore 1 W	4.9	-5.6	37	22	-27	26	1860	0	31	.42	- .12	.14	18+	6.5	9	30+	5	0	0
Ellendale	13.5	-2.8	47	23	-25	26+	1590	0	30	.96	.50	.71	25	11.5	10	26+	5	1	0
Fargo WB Airport //	6.7	-4.8	37	23	-28	26	1805	0	31	.60	- .12	.16	25	7.2	7	25+	10	0	0
Forman	11.9M	-3.4	45	23			1636	0	31	.73	.17	.55	25	9.0	7	25+	4	1	0
Fullerton	12.7M	-2.5	47	22	-26	26	1611	0	30	1.00	.23	.85	25	10.0	9	25	3	1	0
Gackle	10.7M	-3.8	44	23	-26	26	1749	0	31	.49	.04	.42	25	7.5	7	25	2	1	0
Grafton State School	6.5M	-4.2	38	23	-23	26	1755	0	31	.31	- .22	.10	14+	3.2	5	18	5	0	0
Grand Forks CAA AP //	5.9	-5.1	37	22+	-23	26	1833	0	31	.48	- .14	.17	14	6.2	4	14+	9	0	0
Grand Forks University	6.0	-5.0	37	23	-22	26	1826	0	31	.52	- .10	.21	14	7.0	7	18+	7	0	0
Grand Rapids 1 N	11.3		48	22	-32	26	1662	0	31	.68				10.2			5		0
Hankinson RR Sta.	8.7M	-9.0	44	24	-23	27		0	31						11	26+			
Hannah	3.2	-4.4	37	22	-28	26	1913	0	31	.33	- .26	.10	14	4.3	7	18+	6	0	0
Rillsboro	7.3M	-4.7			-23	26	1789	0	31	.50	- .14	.14	6	7.3	4	6+	8	0	0
Jamestown CAA AP //	9.3	-4.6	43	22	-29	26	1722	0	31	1.03	.38	.68	25	12.7	8	25+	9	1	0
Jamestown State Rospital	10.1	-3.8	43	22	-25	26	1697	0	31	.51	- .14	.41	25	10.5			3	1	0
Kensal Wildlife	7.5M		42	22	-31	26	1791	0	31	.50		.33	25	6.0	5	25+	4	1	0
Langdon Exp. Farm	3.9	-4.9	34	22+	-30	26	1898	0	31	.39	- .24	.10	1+	3.7	10	4+	7	0	0
Mayville	6.3M	-7.0			-22	26	1816	0	31	.69	.17	.19	18	7.6	5	18+	7	0	0
McHenry 5 N	6.2	-4.6	39	22	-28	26	1822	0	31	.51	.02	.20	25	6.0	8	26+	8	0	0
McLeod 3 E	8.2	-6.9	41	23	-28	26+	1758	0	31	.58	.12	.35	25				5	1	0
Munich 4 SW	3.8		34	22	-28	26	1896	0	31	.36		.10	18	5.3	7	18+	7	0	0
Oakes	9.7	-6.5	45	24	-26	27		0	31	.83	.33	.73	26	9.4	8	26+	3	1	0
Park River	7.0	-4.1	40	23	-21	26	1791	0	31	.27	- .24	.10	18	2.6	5	18+	5	0	0

See reference notes following Station Index.

Table 2

CLIMATOLOGICAL DATA

NORTH DAKOTA
DECEMBER 1950

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
Pembina 2 N //	2.0M	-5.0	34	23	-27	26		0	31	.23	- .39	.09	13	3.9	5	15+	4	0	0
Petersburg	6.6		38	22	-24	26	1807	0	31	.51	.03	.15	25	5.4	6	18+	6	0	0
Sharon	6.4	-5.8	38	22	-26	26	1813	0	31	.62	.14	.20	25	7.4	6	18+	7	0	0
Valley City	9.9	-4.6	40	22	-22	26	1706	0	31	.54	- .04	.13	25				8	0	0
Wahpeton State School	9.3	-6.5	38	23	-29	26	1725	0	31	1.15	.65	.36	25	14.2	10	26+	8	1	0
DIVISION	7.5	-5.2								.60	.06			7.7					
MIDDLE DIVISION																			
Ashley //	12.8M	-2.0	46	22+	-26	26	1612	0	31	.70	.20	.63	25	1.9	1	25+	3	1	0
Belcourt Indian Res.	5.4		43	22	-39	26	1853	0	31	.45		.13	25	4.8	8	18+	6	0	0
Bisbee	5.1M	-4.6			-23	5	1858	0	31	.43	.00	.33	25	4.6	6	25+	3	1	0
Bismarck WB City	11.9	-3.8	45	24	-26	6+	1644	0	31	.71	.23	.35	25	9.9	8	30+	11	1	0
Bismarck WB Airport	11.9	- .9	45	22	-29	26	1640	0	31	.61	.04	.20	25	12.0	8	28+	9	0	0
Bottineau	5.1M	-3.2	37	23	-31	26		0	31	.80	.33	.14	14	11.5	9	14+	12	0	0
Butte	10.2M	-4.6	41	22	-27	6	1677	0	31	.51	.02	.25	25	8.2	9	26+	4	1	0
Carson 2 SW	14.5M	-2.1	42	22+	-25	6	1571	0	31	.23	- .25	.10	25	3.0	5	4+	3	0	0
Ceoter	11.8M	-4.6	40	23	-31	6+	1639	0	31	.40	- .04	.28	25		8	25+	2	1	0
Drake	8.2	-7.2	39	23	-27	26		0	31	.51	.10	.36	26	5.7			3	1	0
Duoseitb St. Sanitarium	7.2	-3.1	42	22	-25	6	1790	0	31	.36	- .07	.15	1+	3.0	6	25+	3	0	0
Fessendeo	6.6	-5.2	40	22	-27	6+	1815	0	31										
Fort Yates	16.5	-2.7	51	22	-23	6+	1497	0	30	.33	- .05	.19	25	4.4	3	25+	6	0	0
Foxholm Wildlife	9.1	-5.1	43	22	-32	26	1730	0	31	.64	.13	.50	25	10.9	7	25+	3	1	0
Garrison	9.3M	-5.1	40	22	-26	6	1714	0	31	.81	.33	.43	25	8.2	9	25+	6	1	0
Granville	8.2M	-4.8	43	22	-34	26	1751	0	31	.79	.33	.64	25	7.5	10	25+	3	1	0
Hansboro	5.0M	-4.2	41	22	-30	26	1858	0	31	.30	- .24	.11	18	7.2	6	18+	6	0	0
Leeds	5.9M		40	22	-31	26	1839	0	31	.93		.50	25	13.1			8	1	0
Lintoo	14.1	-1.2	50	22	-25	6+	1571	0	31	.89	.50	.52	25	9.7	7	28+	7	1	0
Maddock Agri. School	6.6	-4.8	39	22	-32	26	1808	0	31	.75	.32	.27	25	9.8			6	1	0
Mandan Exp. Station	11.5	-3.6	44	23	-25	6		0	31	.72	.27	.20	25+	8.8			7	0	0
Mandan Fort Lincoln	13.7		47	22	-25	6	1584	0	30	.62		.43	25	9.5	7	25+	5	1	0
Max	10.3M	-4.1	42	22	-25	5		0	31	.50	.10	.25	26	9.5	9	26+	4	1	0
McClueky	8.0M	-4.7	39	22	-26	6	1734	0	31	.88	.36	.70	25	11.4	11	25+	5	1	0
Minot CAA AP //	9.3	-3.8	42	22	-23	26	1724	0	31	.61	.15	.28	25	7.6	6	25+	12	1	0
Minot Exp. Farm	9.6		42	22	-28	26	1707	0	31	1.16		1.04	25	10.8	9	25+	6	1	1
Moball	6.9	-4.8	42	22	-32	26	1794	0	31	.82	.40	.45	25	10.5	7	30+	6	1	0
Napoleoo 1 SE	11.0M	-2.4	43	22	-27	6	1670	0	31	.39	- .06	.23	25	7.0	5	25+	8	0	0
New Salem 1 S	12.1M	-4.1	41	21	-23	6	1630	0	31	.32	- .19	.15	4+	6.1	7	31	3	0	0
Pettibone	8.9	-2.8	40	22	-25	26	1733	0	31	.90	.46	.65	25	10.9	11	26+	8	1	0
Riverdale	10.8		49	23	-25	6	1674	0	31	.43		.17	25		8	28+	11	0	0
Rolla	6.1M	-4.1	43	22	-25	26	1825	0	31	1.06	.57	.55	14	6.7	10	18+	7	1	0
Rugby	7.3		41	22	-29	26	1789	0	31	.88	.41	.55	25	12.0			8	1	0
Steele	9.8M	-3.4	43	22	-30	26	1709	0	31	.94	.45	.84	25	11.8	12	25+	3	1	0
Towner	5.7	-5.5	42	22	-34	26	1836	0	31	.50	.01	.32	25	9.5			4	1	0
Turtle Lake	8.5M	-4.8	40	22	-30	6	1753	0	31	.79	.33			12.1			8		0
Underwood 12 W	10.7	-5.5	40	22	-34	6	1656	0	31	.53	.10	.20	24	5.7			5	0	0
Upham Wildlife	6.1M		44	22	-34	26	1826	0	31	.36		.26	25	9.6	11	31	4	1	0
Velva	9.9	-5.1	43	22	-30	26	1703	0	31	.56	.09	.32	25	8.5	8	28	7	1	0
Washburn	12.6	-2.9	44	22	-23	6+	1619	0	31	1.00	.57	.80	25	11.0	10	25	2	1	0
Westhope	5.8	-4.4	41	22	-33	26	1835	0	31	.91	.49	.58	25	13.5	11	30+	6	1	0
Willow City	5.4	-3.8	40	22	-36	26	1842	0	31	1.11	.51	.55	25	11.5	8	25+	7	1	0
Wilton RR Station	8.8M	-6.0	42	23	-24	6+		0	31	.73	.28	.28	25	12.3	12	28+	6	1	0
Wisbek	11.5	-3.4	46	23	-28	26		0	31	.45	.02	.25	26				5	1	0
DIVISION	9.2	-4.1								.66	.21			8.8					
WESTERN DIVISION																			
Almoot 7 SW	15.0		42	10+	-22	6	1546	0	31	.49		.25	25	6.0	5	13	4	1	0
Amidoo	20.4	1.3	54	23	-18	5+		0	30	.20	- .19	.10	5+	2.0	1	5+	2	0	0
Beach	19.5	1.1	47	23	-21	6		0	30	.19	- .28	.09	4	1.8	1	4+	6	0	0
Belfield	17.7M	-2.1	47	22	-25	6	1469	0	31	.45	- .03	.17	4	5.5	7	12+	5	0	0
Bowbells	7.2	-5.7	39	22+	-27	26		0	31	.81	.43	.50	26	13.0	9	26+	5	1	0
Bowbells 5 E	5.3M		40	23	-32	26		0	31	.38		.20	26	4.3	3	4+	5	0	0
Bowman Court House //	20.4M	2.8	41	10+	-19	6	1367	0	31	.05	- .30	.03	4		1	4+	2	0	0
Crosby	7.7M	-5.2	41	23	-26	7		0	31	.46	- .04	.18	25	11.0	6	1+	7	0	0
Dickinson CAA AP	16.0	- .8	42	22+	-21	6	1513	0	31	.48	.02	.17	25	4.5	3	4+	11	0	0
Dickinson Exp. Sta.	14.3	-2.5	44	24	-26	6		0	31	.52	.06	.13	5	4.2	3	5+	7	0	0
Dunn Center	10.5	-7.5	39	23+	-31	6		0	31	.51	.10	.18	25	5.9	4	4+	5	0	0
Elbowoods	11.0	-4.9	46	22	-30	6+	1670	0	31	.49	.09	.45	25	1.4	5	1+	2	1	0
Eppiog	11.5	-3.7	41	21	-26	5	1652	0	31	.35	- .10	.15	25				3	0	0
Greoora	11.7M	- .6	41	22	-25	5+	1675	0	31	.36	- .16	.24	25	4.3	4	25+	2	0	0
Hettinger	20.8M		52	22	-20	6	1168	0	31	.01		.01	6				1	0	0
Kenmare	8.2	-6.0	42	23	-29	26+		0	31	.87	.44	.50	25		8	26+	6	1	0
Marmarth	22.1M	3.6	50	22+	-27	6	1322	0	31	.13	- .27	.08	4	2.9	2	4+	3	0	0
Medora TRNMP	18.0		51	22	-31	6	1450	0	31	.33		.13	4	4.7	2	4+	7	0	0
Mott	17.2	1.4	49	22	-28	6	1476	0	31	.11	- .37	.03	4+	3.1	3	4+	4	0	0
New England	18.6	1.2	49	22	-24	6	1431	0	31	.30	- .10	.14	4	3.9	1	4+	4	0	0
Parshall	10.4	-4.1	44	22	-29	6+	1689	0	31	.53	.12	.42	25	6.4	7	25+	5	1	0
Portal	6.6M	-6.0	40	23	-26	6		0	31	.85	.40	.30	25	10.0	7	31	5	1	0
Powers Lake 1 N	7.9M	-7.9	39	22	-28	6	1770	0	31	.20	- .34	.09	25	8.5	6	25+	4	0	0
Richardton Abbey	15.6M	- .6	43	22+	-20	6	1526	0	30	.60	.18	.22	25	4.9	5	4+	7	0	0
Sanish	9.6	-3.9	45	23	-27	26		0	31										
Stanley	7.2		40	22	-26	6+	1784	0	31	.91	.46	.52	25				7	1	0
Van Hook	11.9M		44	22	-27	26	1644	0	31	.47		.37	25	8.0	7	30+	7	1	0
Watford City	14.6	- .7	46	22	-24	6	1555	0	31	.49	- .04	.18	26	6.4			4	0	0
Williston WB City	14.0	.2	45	22	-23	6	1578	0	31	.53	- .05	.16	24	5.5	3	4+	9	0	0
DIVISION	13.5	-2.6								.43	- .02			5.6					
STATE	10.0	-4.0								.57	.09			7.4					

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

NORTH DAKOTA
DECEMBER 1950

Station		Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Adams 7 S		.02								T	.05	.02							.22							.15					T	T	.46
Alexander R R Sta.		.05			.10								.06	.03												.30							.54
Almont 7 SW		T			.09			T					T	.08			T								T	.25			.07				.48
Alpha 1 S		T		T	.10								T	T		T									T	T	T	.02	T	T			.12
Amenia				-	.30		.14					.02			.12				.33							.53				T				1.44
Amidon					T	.10								T		T						T					.10		T		T			.20
Amidon	R				.02	.01												.03								*	.05							.11
Antler	R	.08			.07				.02	.02				.06				.03							.03	.29	.02				.02	.03		.67
Arvilla St. Park		T				.02	.01			T		.01			.08			.08								.08				T	.01			.28
Ashby					.02												T	.05								.63								.70
Ashley	R //				.02													.05							.54	.06	.02		.02					.71
Balfour	R				.10			.02		.04	-	-	-	-	-	-	-	-	-	-					.05	.30								-
Bantry															.10				.10							*	.30							.50
Beach					.09	.01							.03				T		.02							T	.03			T				.18
Beach	R			.01	.08	.02							.03					.02			.01		.01			.05								.22
Belcourt Indian Re		.10			.04									T	.05				.10			T				.13				T	.03			.45
Belcourt Indian Rn	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			.08							-	-	-	-	-	-	-			-
Belfield					.17								.08			T	T		.10						.05					T	.05			.45
Berthold		.11			.08			T	.01					.01					.01							.35			.01			.03		.82
Beulah					.11	.04		.01					T												.13	.43		T	T		T			.72
Beulah	R				.16			.01																	.23	.35								.75
Bisbee		.06			.04						T								T							.33	-				T			.43
Bismarck WB City		T	T	T	.04	.07		T	.01	T	T		.02	.01	T	T	T		T	T						.35	.16		.01	.01	.02	.01		.71
Bismarck WB AP	R	T	T		.09	T	T	.01	T	T	T		.02	T	.01	T	T	T	T	T	T	T			.18	.20	T	T	.06	.02	T	.02		.61
Bottineau		.10	.11	T	.04	.06				.04					.14	T			.08	.02	.02					.08	.08					.05		.80
Bowbella		.17	T		.07	T			T	.04					.03			T		T							.50				T			.81
Bowbelle 5 E		.13	T		.03			.01								T					T						.20		.01		T			.38
Bowman Court Rousn					.03								T						T							.02			T		T			.05
Bowman Court Bouse	R //				.05				.02									.03								.04								.14
Brninn	R				.04								.05				.01								.15	.06		.02	.04		.01			.38
Buttn				T	.12				T	T				T		T		T	.05	T	T					.25	.09			T		T			.51
Cando	R	.05			.07									.08					.09							.20					.02			.51
Carrington			T		T	.18		T		T		T		T	T				T							.08	.13	T				.03		.42
Carson	R				.06								.06												*	.15			.03					.30
Carson 2 SW					.09			T	T				.04				T	T	T	T	T				T	.10			T	T	T	T		.23
Cavalier		.17										.06	T	.22					.10											T				.55
Cantnr		T			.12											T	T								T	.28		T						.40
Colgatn						.07					.03								.07							.20								.37
Columbus		.12			.07			.02					T		.04		T									.25					T			.50
Cooperstown						.10								.10					.25							*	.45							.90
Courtenay		T			.12	.07	T	T					T	.12	T				T							.43				T				.74
Crosby		.17	T		.05	T								.03	.01		T	T		T						.18	.01		.01	T	T			.46
Crosby	R	.13		.01	.08					.02		.01	.04												.13	.09			.01					.52
Dawson	R				.13																				.05	.26	.01		.02					.47
Devils Lake WB City	R	.01	T	T	.08		T	.01	T	T	.02	T	T	T	.11	T	T	T	.05	T	T	T	T	T		.38	T	T	T	T	.02	T			.68
Dickinson CAA AP		.01		.05	.12				T	T			.05	T	T	.02	T	.01	T	T	T	T			.01	.17	T	.01	.02	T		.01			.48
Dickinson CAA AP	R	.01		.04	.13							.01	.06			.02		.01							.01	.08		.01	.02			.01			.41
Dickinson Exp Sta.		T			.12	.13							.06	.02	T		T	T	T	T	T	T				.06	.11	T	.02	T	T	T			.52
Drake		T	T		.07									.08													.36		T						.51
Dunn Center					.07	.06								.10				T								.18	.10	T	T						.51
Dunseith St. Sanita		.15		T	T		T			T				T	.06			T	T							.15	T			T	T			.36
Edgeley Exp Farm						.02												T	T							.34	.13		.03					.52
Edgeley Exp Farm	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									.06	.38			.03					-
Edmore 1 W		T						T		T		.02	T	.10	T		T		.14	T	T	T				.14					.02			.42
Elbowoods					T	.04			T																	.45				T	T			.49
Elgin 5 S		T			.07			.04	T				T	.01		T	T	T		T					T	.09			T	T	T	T		.21
Ellendale			T		.09	.03	T	T		T		T		.01						T			T			.71	.12		T			T		.96
Epping		.0																								.15			.12					.35
Esmond	R	.03			.11										.07				.05						.03	.21					.01			.54
Fairfield 8 N					.08								.04																.15					.27
Fargo WB AP	R /	T	T		.08	.02	.06	.01	T	T	.03	T	T		.14	T	T		.06	T	T	T		T		.16	T	T	.03	.01	T	T		.60
Fessenden					.09				.02					.03	.06				.02							-	-							-
Flasher					.01	.04									.01	T										.14	.13		.02					.35
Flaxton		.10			.06			T							.02											.46			T		.01	T		.65
Forman				T	.08			.05				T			.05				T							.55								.73
Fort Tates		T			.03	.01		.02					T	.06		T	.02	T		T				T	.18			T	T	T	T		.33
Fort Yates	R				.04			.02					.04	.01			.02								.13	.09								.37
Foxholm Wildlife Ref		.10			.04		T	T						T				T		T	T					.50				T	T	T		.84
Fryburg	R				.05								.07		.02			.03										.02				.04		.24
Fullerton					.06	T	T	T	T			T		T	T			T	T	T						.85			.09	T				1.00
Gackle					.07			T											T							.42	T			T				.49
Garrison		.01		T	.11			T					T	T	.01		T	T		T					.23	.43	T		.03	T	T	T		.81
Glen Ullin	R			.01	.08						.03		.03												.13	.13		.05						.51
Golden Valley 1 S		T								T	T						T									.25			.01					.26
Golva 1 SE	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.02								-
Grafton St School		T			T	.09						T	T	T	.10				.10	T	T									.01	.01	T		.31
Grand Forks CAA AP		.01	T	T	.03	.02	.03	T	T		.08	T	T	T	.17	T			.09	T	T	T				.04		T	T	.01	T	T		.48
Grand Forks CAA AP	R /	.01			.03	.02	.03				.08				.17				.09							.04					.01			.48
Grand Forks Univ		T	T		T	.02	.03	T			.01	T	T	T	.21	T			.08	.01		T				.16		T	T	T				.52
Grand Rapids 1 N					T	T	T	T							.03		.08		T							*	.50		.07					.68
Grano	" /	.20			.10	.02								.03	.01										.06	.24					.01	.01		.68
Granville		T			.10			T		T				T	.05	T			T	T						.64	T		T		T	T		.79
Grassy Butte	R				.01	.10					.05		.05												.08	.14			.06	.02	.02			.53
Grassy Buttn 1 N		T				.08							T	.05				T	T						.09	.10				.07				.40
Grenora				.12																						.24								.36
Haley	R																	.02	.01							.08								.11
Halliday		T			.15								.03			.04										.17								.39
Halliday	R				.10								.03		.04										.12	.12								.41
Hankinson R R Sta.			T			.04	.12	.10	T						-						.04						.24	-	T		T			-
Hannaford	R				.11										.07				.08						.01	.33	.04				.05			.69
Hannah		.09			.02	T		T			T			.01	.10				.09	T						.02				T				.33
Hazaboro		.08			.01								.01		.03				.11							.05				T	T	T		.30
Harvey Water Wks			.04		.08	T								T	.08		T									.16			T					.36
Haynes 8 NE	R				.03		.02						.04					.02								.02								.13
Hazelton R R Sta.	R //				.07				.02				.01		.01										.18	.27			.05			.01		.62
Hettinger							.01						T													T	T							.01
Hettinger	R	-	-	-			.01						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
Hillsboro		T			.02	.08	.14	T			.02	T	T		.06				.07	T				T		.10			T		.01			.50
Burdafield	R				.12					.02					.08										.07	.36	.02	.02				.03		.72
Jamestown CAA AP		.02	T		.17	T	T	.02	T	T	T		T	.01	.06	T	T	T	T	T	.01	T			.02	.68	T	T	.04	T	T	T		1.03
Jamestown CAA AP	R //	.02			*	.25									.05										.05	.90			.04		.03			1.34
Jamestown St. Boap.		T			.07	T		T			T			T	T				T			T			.41	T		.03		T			.51
Kenmare		.03		T	.03	.05							.03		.02											.15								.31
Kenmare		.10	.02		.03	.07																				.50	.15							.87
Kenmare	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.02		.02			-
Kenmal Wildlife Re		T			.11	.01		T	T	T	T			T	.05			T	T	T	T					.33								.50
Killdeer 8 NW						.07								.11	.20											T	.44			T				.82
Langdon Exp Farm		.10			.05				.02			T	T		.06				.10							.04					.02			.39
Larimore		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T		.03								-
Leeds		.07		.12		T		T				.02	.03	T	.11		.04		.04	T	T	T				.50		T	T	T	T	T		.93
Lefor 10 E					.04			T					T	.03		T		T							.02	.04	T	.01				T		.14
Linton					.12	.01		T						.03	T			.01								.52			.10	.10	T			.89
Maddock Agr School		.06			.13	T	T			T				T	.17				.06	T	T					.27	.06		T		T	T		.75
Mandan Exp Sta.			T		.10	.15			T					.02	T	T		T		T						.20	.20		.04	T	.01			.72
Mandan Exp Sta.	R				.04				.03					.02											.09	.08			.02					.28

See reference notes following Station Index.

Table 3—Continued

DAILY PRECIPITATION

NORTH DAKOTA
DECEMBER 1950

Station		Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Mandan Ft. Lincoln					.09	.01								.06	T		T	T	T	T						.43			.03	T	T	T	.62
Marmartb		T			.08							T			T										.03	T				T	.02	.13
Marmartb M D U Cn	R				.05				.03																.03	.03					.02	.16
Martin		T			T										T											.30	T			T		.30
Max		T		T	T	.07				T				T	T	T			T	T						.15	.25		.03		T	.50
Mayville		T			.08	.12	.12	T			T	T	.02		.11				.19	T						.05				T	T	.69
Mc Clueky					.12									.02						.01						.70			.03			.88
Mc Gregor R R Sta.	R								.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mc Henry 5 N		T			.06	.02	.01						.01	T	.05				.09							.20	.07				T		.51
Mc Lead 3 E		T			.06			.09					T		.05				.03							.35	T				T	T	.58
Mc Ville						.10									.08				.09							.15							.42
Medina 1 W					.08					T					T											.28							.36
Medora T R N M P		T			.13								.07		T	.03	T		T						.02	.06	.01		T	T		.01	.33
Melville	R				.06										.04											.20							.20
Minnt CAA AP		.04	T	T	.09	T	T	.01	T	.01			T	.04	.01	T	T	.01	T	T	T	T			.08	.28	T	T	.02	.01	.01	T	.61
Minnt CAA AP	R //	.05			.10										.02										.07	.26		.01					.51
Minot Exp Farm		.02			.07			T		T				T	.01	T		T	.01	T	T					1.04	T		T	.01		T	T	1.16
Moffit R R Sta.						.25							T				T		T							.50	-						-
Moball		.12			.11			T						T				T	.02							.45	T		T	.01	.11	T	.82
Montpelier			T		T	.05		T	T	T	T	T		T	.04	T				T						.36	.39		.02	T			.88
Mott					.04								.04													.03				.02		.03	.16
Mott	R				.03								.03													.03						.02	.11
Municb 4 SW		.05			.04			T		T		T		.03	.07			T	.10		T	T				.05			T	.02			.36
Napoleon 1 SE					.03	T		.02	T		.01			.01	T					.02						.23			.06	T	.01		.39
Napoleon 1 SE	R				.04			.02						.02											•	.23			.06			.02	.39
New England					.14								.04		T			T	.09						T	T	T					.03	.30
New Rockford 7 WNW		T			.16		T			T	T			T	.09	T			T	T	T	T				.33	T		T		T		.58
New Salem 1 S		T			.15				T				T												T		.15				.02	.32
Nonman		.15						.05																		.40							.60
Oakes						.08									.02												.73						.83
Oakee	R				.06										.02										.03	.67							.78
Park River		T	.02		T	.04		T			T			T	.07				.10		T			T		.04				T	T	T	.27
Parehall		.01			.04									T	.03		T									.42			.03	T	T	T	.53
Pembina 2 N												.07		.09		.03		T	.04		T											T	.23
Pembina 2 N	R //										.05			.11				.05															.21
Petereburg					.12			T						.07	.07				.07							.15				T	.03	T	.51
Pettibone		T			.03	.04		T		.01				.01	.05			T		T	.01					.65	.10						.90
Pettibone	R				•	.07								.05	.02										.14	.53	.04						.85
Portal		.23			.08	T								T	.11				T	T						.30			T			.13	.85
Powere Lake 1 N		.07			.02									.02												.09							.20
Pretty Rock		.03	T										.1		.05	T				T					.10	.05			.02			.04	.39
Raub	R //	-	-	-	.12				.02		-	-	-	-	-	-	-	-							.16	.25	-	-	-	-	-	-	-
Reeder					.03																			.01		.02	.04						.10
Reeder 14 N						.03							T	.04				T	T			T				T	T			T			.07
Richardtan Abbey			T		.16			T		T			T	.05	T		.0			T		T			T	.22	02		.12	.01		T	.80
Richardton Abbey	R			.07	.14			.01	.02				.01	.03	.02										.05	.14		.09	.07				.80
Riverdale		.02			.03			T	T	T	T		T	.02	.03	T	T	.02	T	T		T			.03	.17	T		.07	.01	.01	.02	.43
Riverdale	R				.03									.02	.03			.02							.02	.13			.10			.02	.37
Rnlette		.12			.10										.05				.10						.01	.26					.04		.68
Rnlla		.21			.06			T		T			T	T	.55				.09	T	.01					.09					T	.05	1.06
Rugby		.08	.01		.08	.05	T	T	T	.03					.01			T	.03	.04		T				.55	T		T	T		T	.88
Ryder						.03				.04			T				.04									.20					.05		.36
Ryder	R				.02				.04						.03	.04									.05	.16					.03	.02	.39
Sanisb		.02		T	.03	.05									-											.36	.24		.04			.02	-
Sarlee	R //	.20			.07			.02						.01	.14				.25							.16						.03	.88
Selfridge		.06	T	T	T			.06						.15		T	.08	T	T	T						.25				T		T	.60
Sharna		T			.12	T	.06	.01				T	.02		.06				.15			T				.20							.62
Sherwood		.14	.02		.07			T						T	.06				.04							.27				.08	.0		.73
Sheyenne	R	-	-		.15			.03			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shields					.02								T													.15							.17
Stanley		.1		.0											.04										T	.52			T	.04	.06	.04	.91
Stanley	R	.1			.05			.03	.02					.02	.05										.47	.50					.01		1.31
Steele					.09		T			T	.0								T	T	T					.84				T	T		.84
Tagus		.1			.08	T		T		T				T	.05		T	T	.01	T	T					.40				.0	T		.70
Tinga		.1			.05										.04											.57							.84
Tolley 4 NE		.15			.10										T											.53					T		.78
Towner					.07									.05					T							.32					.06		.50
Tratters		T			.13								.04	T	T	T		T			.01				T	.03			.02	T		.03	.28
Trattere 3 S	R			.03	.04								.05			.02		.03							.02	.09		.08					.34
Turtle Lake		T			.11	T	T							T		T			.0	.07	T				•	•	.50		.01	.01	T		.79
Tuttle 8 SW						.0		-		-				-	-			-		-	-					.34					.02		-
Underwand 12 W		T			.06	.07				T									T						.20	.16	T		.04	T	T	T	.53
Upham Wildlife Ref		.06			.02				T					T	T		T	T	T	T	T					.26	T			T	T	.02	.36
Valley City					.1	.05					T	T		.01	.0				.0	T						.13	.11		.01				.54
Van Hook		.01			.03			T						T	.0		T									.37			.01	.01	.02	T	.47
Velva		.02			.11		T	T	T	T				.03	.03	T		T	T	.02						.32	T	T	.03	T		T	.56
Veroaa					-	-									-				-							•	.52				-		-
Wahpetan Power Pl.	R	.09			.07	.02		.02			.03				.06				.10							.23							.82
Wahpetan St. Schaal			.16		.03		.17					.04			.11				.13	T						.36	.12				.03		1.15
Walhalla		.04	T			.02	T	T		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Washburn		T			.20			T						T		T	T									.80			T				1.00
Waehburn Water Wke	R	.03			.19		-	-	-	-				.02	.02										.28	.41			.04				-
Watauga S Dak 8 N		T			T								T		T	T			T						T	T							T
Watford City	R				.06								.1													.11	.18						.49
Watford City 11 E					.10								.05	.04											.10	.10							.38
Weethnpe		.16			.06					.04				T	.03				T		T					.58				T	.0		.81
Wildrnse		.13			.11	T			T					T	.10		T	T	T	T					T	.37	T					.07	.78
Williston WB City	R	.12	T	T	.06	T	T	T	T	T			.0	.01	T	T	.01	T	T	T	T				.16	.09	T	T	T	T	T	.01	.04	.53
Willow City		.17			.07				T						.10				.05	.12	T					.55				T	.05	T	1.11
Wiltan R R Sta.				T	T	.16								.0	T			T								.28	.18		.04		T	.05	.73
Wishek			.01			.04		T		T	TT			T	T	T		T	T	T						.13	.25		.02		T	T	.45
Zahl		.12			.03				T			T	.03	T	.04		T	T		T	T				.07	.16		T	.02	T	.02	.01	.50

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

NORTH DAKOTA
DECEMBER 1950

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
ANTLER					.01	.02	.02	.02			.01														.08
BELCOURT INDIAN RES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANDO														.02	.01	.01					.01				.05
CROSBY		.01	.02	.01	.01	.02	.01	.04	.01																.13
DEVILS LAKE WB CITY															.01										.01
DICKINSON CAA									.01																.01
EDGELEY EXP FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESMOND									.01	.01	.01														.03
GARRISON								*	*	*	*	*	.01												-
GLADSTONE 22N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLVA 1 S E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS CAA //												.01													.01
GRANO //	*	*	*	*	*	*	*	*	*	*	*	.20													.20
HETTINGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAMESTOWN CAA //																							.01	.01	.02
KENMARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRAMER 5 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINOT CAA //									.01	.03	.01														.05
NORTHGATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROLETTE								.03	.03	.02	.02	.01	.01												.12
SARLES 3 E //										.02	.04	.02	.07	.05											.20
SHEYENNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANLEY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.16	.16
WAHPETON POWER PLANT												.06	.03												.09
WASHBURN WATER WKS										*	*	*	.03												.03
WILLISTON WB CITY	.04	.01	.01	.01	.02	.01	.01		.01																.12
—2d—																									
SHEYENNE	-	-	-	-	-	-	-	-	-	-	-														-
—3d—																									
BEACH																								.01	.01
CROSBY																								.01	.01
DICKINSON CAA																							.02	.02	.04
GLEN ULLIN																								.01	.01
HETTINGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-
RAUB //	-	-	-	-	-	-	-	-	-	-															-
RICHARDTON ABBEY																								.02	.02
TROTTERS 3S																							.01	.02	.03
—4th—																									
AMIDON																			.01				.01		.02
ANTLER							.01	.01			.01	.01	.01	.01	.01										.07
ASHLEY //															.01	.01									.02
BALFOUR				.01	.01		.01	.01	.01				.01	.01	.01	.01		.01							.10
BEACH	.01	.01	.02	.01	.01	.01		.01																	.08
BEULAH	.02	.03		.01	.01	.01	.01		.01	.02	.01	.01		.01	.01										.16
BISMARCK WB AIRPORT			.01		.01	.01		.01	.01		.01	.01	.01				.01								.09
BOWMAN COURT HOUSE //				.01			.01		.01	.01		.01													.05
BREIEN											.01		.01		.01			.01							.04
CANDO															.01	.01	.02	.01		.01	.01				.07
CARSON									.01	.01	.01	.01	.01	.01											.06
CROSBY	.01					.01	.01	.01	.01		.01		.01	.01											.08
DAWSON						.01	.03		.01	.01	.01		.01		.01	.01	.01		.01	.01					.13
DEVILS LAKE WB CITY					.01						.01	.01	.01	.01				.01	.01	.01					.08
DICKINSON CAA	.03	.01	.01	.01		.01		.01	.01	.02		.01		.01											.13
ESMOND	.01		.01		.01		.01	.01				.01	.01	.01		.01	.01		.01						.11
FARGO WB AIRPORT //										.01	.01	.01					.01		.01	.01	.01	.01			.08
FORT YATES															.02		.01				.01				.04
FRYBURG	.01	.01	.01			.01			.01																.05
GARRISON		*	*	*	*	*	.06	*	*	*	*	*	.04	*	*	*	*	*	.01						-
GLEN ULLIN	.01	.01				.01		.01	.02	.01	.01														.08
GRAND FORKS CAA //																	.01		.01				. .01		.03
GRANO //							.01	.01	.01	.01	.01		.01	.01		.01		.01	.01						.10
GRASSY BUTTE																								.01	.01
HALLIDAY	.01	.01	.01			.01	.01		.01	.01	.01	.01	.01												.10
HANNAFORD	.01				.01	.01	.01	.01	.01			.01		.01		.01	.01				.01				.11
HAYNES 6 NE												.01	.01			.01									.03
HAZELTON R R STATION //											.01	.01	.01	.01	.01			.01	.01						.07
HURDSFIELD					.01	.01	.01	.02		.01	.01	.01			.01	.01						.02			.12
JAMESTOWN CAA //									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MANDAN EXP STATION													.01	.01	.01	.01									.04
MARMARTH M D U CO		.02	.01	.01	.01																				.05
MELVILLE					.01	.01	.01	.01						.01	.01										.06
MINOT CAA //		.02			.01			.01	.01		.01		.02*										.01	.01	.10
MOTT									.01	.02	.01														.04
NAPOLEON 1 SE													.01	.01	.02										.04
OAKES																		.01	.02	.01		.01	.01		.06
PETTIBONE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
RAUB //		.02	.02	.01	.01				.03				.01	.01	.01										.12
RICHARDTON ABBEY	.02	.01	.01					.02	.01	.02	.01	.01	.01	.01	.01										.14
RIVERDALE		.01	.02																						.03
ROLETTE	.01	.02	.01								.01		.01	.01	.02		.01								.10
RYDER					.01	.01																			.02
SARLES 3 E //															.01	.01	.01	.01	.02	.01					.07
SHEYENNE		.01	.01	.01		.02		.03	.01	.01				.02	.01	.01			.01						.15
STANLEY										.01	.01		.01	.01	.01										.05
TROTTERS 3S	.02	.01	.01																						.04
WAHPETON POWER PLANT																					.01	.03	.01	.02	.07
WASHBURN WATER WKS	.02	.02	.01	.01	.01	.01	.01				.02	.02	.01	.02	.01	.01	.01								.19
WATFORD CITY 11E	.01	.02	.01					.01					.02	.01		.01	.01								.10
WILLISTON WB CITY				.01				.01	.02	.01				.01											.06
—5th—																									
AMIDON		.01																							.01
BEACH			.01	.01																					.02
FARGO WB AIRPORT //	.01	.01																							.02
GRAND FORKS CAA //	.01	.01																							.02
GRANO //											.01	.01													.02
GRASSY BUTTE	.01	.01	.01		.01	.01		.01	.01		.01				.01		.01								.10
JAMESTOWN CAA //	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.25		.25
PETTIBONE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.07	.07
WAHPETON POWER PLANT	.01		.01																						.02
—6th—																									
FARGO WB AIRPORT //										.01	.01										.02	.02			.06
GRAND FORKS CAA //												.01		.01					.01						.03
HAYNES 6 NE			.01			.01																			.02
HETTINGER						.01																			.01

See reference notes following Station Index.

HOURLY PRECIPITATION

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
WASHBURN WATER WKS									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—7th—																										
BALFOUR				.01	.01								.01													.02
BEULAB													.01													.01
BISMARCK WB AIRPORT													.01													.01
DEVILS LAKE WB CITY									.01																	.01
FARGO WB AIRPORT	//		.01																							.01
FORT YATES												.01		.01												.02
NAPOLEON 1 SE												.01	.01													.02
RICHARDTON ABBEY												.01														.01
SARLES 3 E	//												.01	.01												.02
SHEYENNE												.02	.01													.03
STANLEY																					.01	.01	.01	.01		.03
WAHPETON POWER PLANT																								.01	.01	.02
—8th—																										
ANTLER																									.02	.02
BOWMAN COURT HOUSE	//			.01		.01																				.02
HAZELTON R R STATION	//									.01	.01															.02
MANDAN EXP STATION																							.01	.01	.01	.03
MARMARTH M D U CO										.01	.01	.01														.03
MC GREGOR RR STATION				.02	.01	.03	.01	.02	.03	.02	.01															.15
RAUB	//							.01	.01																	.02
RICHARDTON ABBEY		.01	.01																							.02
RYDER															.01	.01							.01	.01		.04
STANLEY							.01	.01																		.02
—9th—																										
ANTLER		.01	.01																							.02
BALFOUR		.02	.02																							.04
CROSBY		.01		.01																						.02
GLEN ULLIN		.01	.01																							.02
HURDSFIELD															.01					.01						.02
MC GREGOR RR STATION																		-	-	-	-	-	-	-	-	-
WASHBURN WATER WKS		-	-	-	-	-	-	-	-	-	-	-	-	-												-
—10th—																										
HALFOUR									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVILS LAKE WB CITY																			.02							.02
FARGO WB AIRPORT	//																				.02	.01				.03
GRAND FORKS CAA	//																			.07	.01					.08
GRASSY BUTTE																	.02		.01		.01		.01			.05
PEMBINA 2N										.02	.01	.02														.05
RAUB	//									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHEYENNE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAHPETON POWER PLANT																						.01	.02			.03
—11th—																										
CROSBY																									.01	.01
DICKINSON CAA																									.01	.01
—12th—																										
BEACH							.03																			.03
BISMARCK WB AIRPORT																							.01	.01		.02
BREIEN																					.01	.03	.01			.05
CARSON																		.01		.01	.01	.01	.01		.01	.06
CROSBY			.01	.01																	.01		.01			.04
DICKINSON CAA		.01		.01		.01						.01			.01		.01						.01	.02	.03	.06
FORT YATES																										.07
FRYBURG							.03	.02	.02																	.09
GLEN ULLIN													.01			.01			.01	.01	.02	.02	.01			.05
GRASSY BUTTE		.03	.02																							.03
HALLIDAY													.01	.01			.01									.04
HAYNES 6 NE									.02		.01				.01											.01
HAZELTON R R STATION	//											.01														-
HETTINGER									.02	.01	.01						-	-	-	-	-	-	-	-	-	.04
MOTT																										.01
RICHARDTON ABBEY			.01																.04	.01						.05
TROTTERS 3S																		.03	.02							.05
WATFORD CITY 11E																		.01	.01	.01						.03
WILLISTON WB CITY																										
—13th—																										
ANTLER																							.03	.03		.06
CANDO														.01	.01	.01	.02	.02	.01							.06
FORT YATES		.01																								.01
GRANO	//																							.01	.02	.03
MANDAN EXP STATION																					.01	.01				.02
NAPOLEON 1 SE													.01	.01												.02
PEMBINA 2N						.01	.02	.02		.02	.01	.01	.01	.01												.11
PETTIBONE														.01									.01	.02	.01	.05
RICHARDTON ABBEY																					.02				.01	.03
RIVERDALE			*	*	*	*	*	*	*	*	.02															.02
SARLES 3 E	//																								.01	.01
STANLEY				.01	.01																					.02
WASHBURN WATER WKS																							.02			.02
WATFORD CITY 11E													.01	.01		.01								.01		.04
WILLISTON WB CITY																								.01		.01
—14th—																										
BISMARCK WB AIRPORT									.01																	.01
DEVILS LAKE WB CITY			.01	.08	.02																					.11
ESMOND		.02	.03	.02																						.07
FARGO WB AIRPORT	//						.01	.08							.01	.01	.01	.01	.01	.01						.14
FRYBURG			.01	.01																						.02
GARRISON			*	*	*	*	*	.01																		-
GRAND FORKS CAA	//					.03	.09	.03	.01						.01											.17
GRANO	//			.01																						.01
HALLIDAY																			.01	.01	.01	.01				.04
HANNAFORD					.02	.03	.01	.01																		.07
HAZELTON R R STATION	//																				.01					.01
BURDSFIELD			.02	.02							.01		.01	.01	.01											.08
JAMESTOWN CAA	//				.02	.02	.01																			.05
MELVILLE					.03	.01																				.04
MINOT CAA	//													.02												.02
OAKES			.02																							.02
PETTIBONE		.02																								.02
RICHARDTON ABBEY											.01	.01														.02

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending											Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
RIVERDALE	*	*	*	*	*	*	*	*	*	.03															.03
ROLETTE	.02	.02	.01																						.05
RYDER																								.03	.03
SARLES 3 E //	.02	.05	.03	.04																					.14
STANLEY																					.01	.01	.01	.02	.05
WAHPETON POWER PLANT								.05	.01																.06
WASHBURN WATER WKS									.01	.01															.02
--15th--																									
BELCOURT INDIAN RES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-
DICKINSON CAA																		.01		.01					.02
EDGELEY EXP FARM	-	-	-	-	-	-	-	-																	-
RYDER	.02	.02																							.04
TROTTERS 3S												.01	.01												.02
–16th–																									
BREIEN									.01																.01
FORT YATES											.01				.01										.02
SHEYENNE										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY										.01															.01
–17th–																									
AMIDON																					.01	.01	.01		.03
ANTLER						.01							.01	.01											.03
ASHLEY //	.01			.01																	.01	.01		.01	.05
BEACH																				.01	.01				.02
BOWMAN COURT HOUSE //																				.01	.01	.01			.03
DICKINSON CAA																								.01	.01
FRYBURG																					.01	.02			.03
HALEY																					.01	.01			.02
HAYNES 6 NE																							.01	.01	.02
PEMBINA 2N								.02				.01	.01	.01											.05
RAUB //	-	-	-	-	-	-	-	-	-	-															-
RIVERDALE		.01	.01																						.02
TROTTERS 3S									.01	.02															.03
–18th–																									
BELCOURT INDIAN RES							.02	.03	.02					.01				.01							.09
CANDO									.03	.04	.02														.09
DEVILS LAKE WB CITY										.02	.02		.01												.05
ESMOND						.01	.02	.02																	.05
FARGO WB AIRPORT //													.03	.02	.01										.06
GRAND FORKS CAA //											.02	.04						.02			.01				.09
HALEY	.01																								.01
HANNAFORD								.01	.01	.03	.03														.08
ROLETTE								.03	.03	.01					.01	.01	.01								.10
SARLES 3 E //								.02	.10	.10	.03														.25
WAHPETON POWER PLANT													.10												.10
–19th–																									
BALFOUR	-	-	-	-	-	-	-	-	-	-	-	-	-												-
–20th–																									
BEACH							.01																		.01
–23d–																									
GOLVA 1 S E	-	-	-	-	-	-	-	-	-	-	-	-													-
–24th–																									
ANTLER																						.02	.01		.03
ASHLEY //								.02	.05	.06	.07	.04	.09	.04	.02	.01	.02		.01		.01	.04	.05	.01	.54
BALFOUR																						.01	.02	.02	.05
BEULAH																	.03	.05	.05	.02	.07	.01			.23
BISMARCK WB AIRPORT																			.01	.02	.02	.06	.03	.04	.18
BREIEN																	.01	.04	.02	.05	.02	.01			.13
CARSON															*	*	*	*	*	*	*	*	*	*	*
CROSBY																		.01	.05	.01	.02	.01	.01	.02	.13
DAWSON																							.03	.02	.05
DICKINSON CAA																		.01							.01
EDGELEY EXP FARM																							.03	.03	.06
ESMOND																							.01	.02	.03
FORT YATES																		.01	.04	.01	.04	.01	.01	.01	.13
GARRISON																				*	*	*	*	*	-
GLEN ULLIN																	.01	.04	.04	.02	.02				.13
GRANO //																					.01	.02	.01	.02	.06
GPASSY BUTTE																.03	.03	.02							.08
HALLIDAY																		.03	.04	.03		.01		.01	.12
HANNAFORD																								.01	.01
HAZELTON R R STATION //																				.03	.02	.06	.04	.03	.18
HURDSFIELD																						.02	.04	.01	.07
JAMESTOWN CAA //																								.05	.05
MANDAN EXP STATION																				.04	.03	.01	.01		.09
MARMARTH M D U CO			.01	.02																					.03
MINOT CAA //																						.02	.03	.02	.07
NAPOLEON 1 SE																					*	*	*	*	*
OAKES																								.03	.03
PETTIBONE																						.02	.05	.07	.14
RAUB //																				.05	.04	.01	.03	.03	.16
RICHARDTON ABBEY																		.03	.01	.01					.05
RIVERDALE																							.02		.02
ROLETTE																								.01	.01
RYDER																					.03		.01	.01	.05
STANLEY																			.10	.10	.07	.06	.07	.07	.47
TROTTERS 3S																	.01	.01							.02
WASHBURN WATER WKS																				.08	.06	.05	.06	.03	.28
WATFORD CITY 11E																	.01	.04	.02	.03					.10
WILLISTON WB CITY																.01	.04	.02	.03	.01	.01	.01	.02	.01	.16
–25th–																									
AMIDON																					*	*	*	*	*
ANTLER	.02	.02	.02	.03	.03	.02	.01	.02	.01	.01	.02	.01	.01	.04		.01		.01							.29
ASHLEY //	.02	.01	.02	.01																					.06
BALFOUR	.02	.03	.03	.02	.03	.03	.02		.03	.01	.01				.01	.01	.02	.02		.01					.30
BEACH										.02	.02	.01													.05
BELCOURT INDIAN RES		.01	.03	.02	.01	.01	.01	.01	.01		.01	.01	.01									-	-	-	-
BEULAH	.01	.01				.01	.04	.05	.01	.01	.03	.07	.07	.03	.01										.35
BISMARCK WB AIRPORT	.02	.02	.02	.02				.01	.03	.02	.01		.01	.01	.01	.01	.01								.20
BOWMAN COURT HOUSE //										.03		.01													.04

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

NORTH DAKOTA
DECEMBER 1950

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
BREIEN			.01									.02	.01		.01	.01										.06
CANDO		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.20	.20
CARSON		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.15								.15
CROSBY		.02	.01	.01	.01	.01	.01			.01				.01												.09
DAWSON		.02	.02	.02	.03	.01	.02	.01	.01	.01					.01	.03	.02	.03	.01	.01						.26
DEVILS LAKE WB CITY			.03	.05	.04	.04	.04	.03	.02	.03	.02	.01	.01	.02	.01	.01	.01	.01								.38
DICKINSON CAA										.02		.01	.03	.01						.01						.08
EDGELEY EXP FARM		.02	.03	.02	.03	.02	.04	.01	.05	.02	.02	.03	.01	.01	.01	.01	.02	.01	.02							.38
ESMOND		.01	.02	.02	.01	.02	.02	.02	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01						.23
FARGO WB AIRPORT	//			.02	.03		.01			.01	.01	.01	.01		.01	.01		.01	.02	.01						.16
FORT YATES		.01												.02	.02	.01	.01	.01	.01							.09
GARRISON		.23	*	*	*	*	*	.18	*	*	*	*	*	.09	*	*	*	*	*	.16						-
GLEN ULLIN			.01	.01								.03	.02	.03	.02				.01							.13
GOLVA 1 S E																	.01					.01				.02
GRAND FORKS CAA	//									.01	.01	.01	.01													.04
GRANO	//	.04	.02	.03	.03	.02	.01	.02	.01	.01				.01	.01	.01	.01	.01								.24
GRASSY BUTTE					.01	.01					.02	.05	.03		.01					.01						.14
HALEY										.01	.03	.01	.01	.01	.01											.08
HALLIDAY		.01								.01	.01	.01	.03	.03	.02											.12
HANNAFORD		.04	.03	.03	.02	.01	.04	.01	.06	.02	.04	.01	.01	.01												.33
HAYNES 6 NE			.01	.01																						.02
HAZELTON R R STATION	//	.02	.05	.01						.02	.05	.01	.01	.01	.02	.02	.03	.01	.01							.27
HURDSFIELD		.03	.02	.03	.03	.01	.01	.03	.04	.01	.01			.01	.01	.03	.01	.02	.02	.02	.02					.36
JAMESTOWN CAA	//	.01	.04	.03	.02	.05	.05	.05	.03	.04	.02	.01		.01	.01	.08	.13	.12	.13	.07						.90
MANDAN EXP STATION			.01	.01					.01	.01					.02	.01	.01									.08
MARMARTH W D U CO										.03																.03
MELVILLE		.02	.01	.02	.01	.01	.01		.01	.02	.01	.01					.02	.01	.01	.01		.01	.01			.20
MINOT CAA	//	.03	.04	.01	.02	.02	.01	.01	.01	.03		.01	.01	.01	.01	.01	.01	.01	.01							.26
MOTT																			.01	.01	.01					.03
NAPOLEON 1 SE		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.23								.23
OAKES		.05	.05	.03	.03	.02	.06	.04	.04	.03	.03	.04	.01	.01	.04	.03	.01	.05	.02	.03	.01	.01	.01		.02	.67
PETTIBONE		.05	.07	.06	.05	.05	.02	.05	.03	.02	.02	.01	.01	.02	.02	.02	.02	.01								.53
RAUB	//	.03	.03	.03	.03	.01			.02	.01				.03	.03	.01	.01	.01								.25
RICHARDTON ABBEY												.02	.06	.05				.01								.14
RIVERDALE		.01	.02	.01	.01			.01	.02	.01	.01					.02	.01									.13
ROLETTE		.02	.02	.05	.01	.03	.02	.01	.02	.01	.01	.02	.01			.01	.01	.01								.26
RYDER		.01	.02	.01	.01	.02	.02	.01	.01	.01				.02	.01	.01										.16
SARLES 3 E	//						.02		.02	.03	.05	.01	.02	.01												.16
STANLEY		.07	.06	.05	.02	.08	.05	.02	.03	.02	.01	.01	.01	.04	.01	.02										.50
TROTTERS 3S		.01								.02	.03			.01	.01	.01										.09
WAHPETON POWER PLANT					.02	.01	.02	.02	.01	.03	.02			.02					.02	.01	.02	.01	.01	.01		.23
WASHBURN WATER WKS		.05	.05	.02	.01		.02	.01	.02	.02	.01	.02	.02	.02	.07	.02	.04	.01								.41
WATFORD CITY 11E		.01	.01								.01	.02	.01	.03	.01											.10
WILLISTON WB CITY									.02	.02	.02	.01				.01					.01					.09
-26th-																										
AMIDON		*	.05																							.05
ANTLER																		.02								.02
ASHLEY	//		.01	.01																						.02
DAWSON						.01																				.01
HANNAFORD					.01	.01	.01	.01																		.04
HURDSFIELD																							.01	.01		.02
PETTIBONE							.04																			.04
RAUB	//									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-27th-																										
BREIEN																									.02	.02
DICKINSON CAA																							.01			.01
FRYBURG																							.01	.01	.01	.03
GLEN ULLIN														.05												.05
HURDSFIELD		.01		.01																						.02
KENMARE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-
MINOT CAA	//												.01													.01
RICHARDTON ABBEY													.01											.02	.06	.09
TROTTERS 3S														.02	.01	.01						.02				.06
-28th-																										
ASHLEY	//				.01	.01																				.02
BISMARCK WB AIRPORT			.01	.01	.01	.01	.01			.01																.06
BREIEN		.01	.03																							.04
CARSON		.01	.01	.01																						.03
CROSBY			*	*	*	*	*	*	.01																	.01
DAWSON							.01	.01																		.02
DICKINSON CAA			.01		.01																					.02
EDGELEY EXP FARM			.01	.02																						.03
FARGO WB AIRPORT	//				.01		.01			.01																.03
GARRISON			*	*	*	*	*	.02																		-
GRASSY BUTTE																							.01	.02	.03	.06
HAZELTON R R STATION	//		.01	.01	.01	.01	.01																			.05
JAMESTOWN CAA	//		*	*	*	*	*	*	*	*	.04															.04
KENMARE																								.01	.01	.02
MANDAN EXP STATION			.01	.01																						.02
NAPOLEON 1 SE			*	*	*	*	.06																			.06
RICHARDTON ABBEY		.03	.04																							.07
RIVERDALE			.05		.05																					.10
WASHBURN WATER WKS			.01	.01			.01						.01													.04
-29th-																										
BISMARCK WB AIRPORT																		.01					.01			.02
FARGO WB AIRPORT	//																						.01			.01
GRASSY BUTTE		.02																								.02
MOTT																								.01	.01	.02
RYDER																			.01	.01	.01					.03
-30th-																										
ANTLER																		.01	.01							.02
BREIEN		.01																								.01
CANDO		.01	.01																							.02
DEVILS LAKE WB CITY																						.02				.02
ESMOND																				.01	.01					.02
GRAND FORKS CAA	//	.01																								.01
GRANO	//																		.01							.01
GRASSY BUTTE											.02															.02
HANNAFORD													.03	.02												.05
JAMESTOWN CAA	//				.01	.01	.01																			.03
KENMARE																.02										.02
ROLETTE																			.02	.01	.01					.04
RYDER			.01	.01																						.02
STANLEY																			.01							.01
WILLISTON WB CITY											.01															.01

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

NORTH DAKOTA
DECEMBER 1950

Station		A. M. Hour ending												P. M. Hour ending											Total
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
												—31st—														
ANTLER																						.01		.01	.01	.03
BELCOURT INDIAN RES		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BISMARCK WB AIRPORT																						.01			.01	.02
DICKINSON CAA																					.01					.01
FRYBURG																		.03	.01							.04
GLADSTONE 22N		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANO	//			.01																		.03		.01		.05
HAZELTON R R STATION	//																								.01	.01
HETTINGER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HURDSFIELD																								.01	.02	.03
KRAMER 5 SE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARMARTH M D U CO																		.01	.01							.02
MC GREGOR RR STATION		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOTT																			.01	.02						.03
NAPOLEON 1 SE																							.01	.01		.02
NORTHGATE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAUB	//	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERDALE																	.01	.01								.02
SARLES 3 E	//																	.01	.02							.03
SHEYENNE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY										.01												.01	.01	.01		.04

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7SW	MAX	14	9	20	14	1	- 2	14	31	25	42	42	29	29	30	6	15	18	35	18	23	39	42	42	30	19	3	30	34	32	31	22	23.8
	MIN	7	- 4	- 5	0	-17	-22	-15	2	8	14	26	17	21	0	- 9	4	10	17	9	8	19	27	29	14	- 3	-18	- 1	8	14	20	12	6.2
AMENIA	MAX	23	22	13	8	3	2	15	24	24	24	30	29	14	25	12	9	9	15	15	16	30	26	40	24	4	- 2	6	9	12	15	34	17.1
	MIN	2	7	- 4	0	- 8	-14	2	8	9	10	12	10	- 2	10	- 6	- 6	-15	- 7	- 4	- 8	9	2	23	- 5	- 2	-25	-25	- 7	-12	5	9	- 1.0
AMIDON	MAX	19	16	26	33	4	- 2	5	26	34	33	45	37	37	35	15	26	29	40	47	30	38	44	54	49	40	34	19	36	32	34	38	30.7
	MIN	6	- 3	5	0	-18	-18	-11	- 6	18	16	27	23	22	10	- 2	- 1	3	16	16	17	26	32	34	28	26	-13	- 7	14	14	16	20	10.0
ARVILLA STATE PARK	MAX	14	11	8	6	2	0	12	23	24	23	29	29	13	23	9	8	11	17	12	12	23	40	39	10	- 1	- 2	17	14	16	17	28	15.7
	MIN	- 2	4	- 4	- 7	-13	-17	- 5	5	9	7	18	9	- 6	8	- 9	-16		4	- 7		4	11	9	- 7	- 6	-30	-12	-11	-12	- 9	1	- 2.9
ASHLEY	MAX	20	16	22	15	3	0	15	25	25	32	37	26	24	25	24	14	24	37	38	29	42	46	46			- 3	18	6				23.3
	MIN	7	6	- 8	2	-16	-23	- 2	1	17	14	24	11	14	1	2	- 1	2	13	4	1	1	15	29		- 2	-26	-12	-12				2.3
BEACH	MAX	28	17	20	26	5	- 1	6	23	34	29	42	38	38	36	15	25	32	38	36	27	37	44	47	46	41	39	17	36	32	35	39	29.9
	MIN	7	- 3	0	2	-20	-21	-17	1	1	13	26	22	23	10	- 1	5	4	7	15	15	27	31	33	28	29	- 9	-11	11	12	16	24	9.0
BELCOURT INDIAN RES	MAX	5	9	10	2	- 2	6	18	18	20	24	32	26	20	26	7	10	10	18	12	15	32	43	38	13	5	-10	20	14	15	16	21	15.9
	MIN	- 1	-17	-21	- 7	-20	-31	- 5	5	10	14	12	15	12		-13	-20	-23	9	- 4	0	5	0	11	- 7	-12	-39	-16	- 2	- 1	-13	2	- 5.2
BELFIELD	MAX		20	24	12	- 1	8	12	34	28	44	40	34	35	30	18	19	33	36	24	34	43	47	46	32	29	11	38	29	34	34	24	28.4
	MIN		- 3	- 3	- 4	-16	-25	- 8	3	12	12	20	18	22	2	- 8	- 6	- 3	18	15	15	28	29	30	29	- 2	-15		9	15	6	9	6.9
BISBEE	MAX	8	1	1	2	0	- 1	12	18	21	25	34	27	22	24	5	4	13	18	10	15	26			12	8	12	12	15	12	13	22	13.4
	MIN	- 2	-16	- 6	- 6	-23	-21	- 3	4	6	10	15	15	14	0	- 9	-12	-16	6	- 5	- 2	8	5		-10		-22	- 6	- 1	- 8	- 8	- 2	- 3.3
BISMARCK WB CITY	MAX	14	20	9	12	8	- 5	4	12	26	27	40	34	23	30	16	12	12	23	30	17	34	39	42	45	19	5	10	20	12	31	21	20.7
	MIN	9	2	- 5	- 2	-14	-26	-22	- 3	2	12	14	16	22	12	- 3	- 2	6	10	6	7	9	19	29	9	1	-26	-21	3	4	10	14	3.0
BISMARCK WB AIRPORT	MAX	16	10	16	9	- 6	- 3	15	24	27	38	35	26	27	29	11	11	21	34	17	20	38	45	44	28	10	- 2	13	18	30	27	22	21.0
	MIN	6	- 7	- 7	- 7	-20	-28	- 3	- 5	21	11	15	14	20	0	- 5	4	7	8	6	2	15	15	28	9	- 5	-29	- 2	- 5	5	14	10	2.8
BOTTINEAU	MAX	11	10	12	4	6	-10	6	12	16	21	32	30	25	27	7	4	5	16	19	11	18	24	37	32	18	- 1	4	15	8	15	12	14.4
	MIN	- 8	-10	-22	-14		-27	-24	4	1	11	11	19	14					2	- 4	2	0	5	13	-10	- 4	-31	-30	- 2	- 4	- 3	2	- 4.2
BOWBELLS	MAX	6	7	0	7	1	- 9	5	12	24	25	37	31	27	30	4	8	12	25	25	20	31	39	39	10		- 4	15	20	18	29	17	17.0
	MIN	- 5	-19	-20	- 5	-19	-25	-24	- 9	5	11	21	12	18	2	- 8	-16	-12	6	- 5	1	6	15	25	2	- 5	-27	-19	3	0	- 2	9	- 2.7
BOWBELLS 5E	MAX	7	6	2	4		0	4	11	23		37	30	25	29	5	8	18	24	20	19	30	36	40		21	3	10	18	10	5	- 5	15.7
	MIN	- 5	- 8	-15	- 5	-20	-27	-12	-11	7		11	13	17	0	-11	-10	0	- 5	- 4	- 5	2	12	23		-10	-32	-20		- 2	- 5	-20	- 5.1
BOWMAN COURT HOUSE	MAX	18	15	29	29		- 1	12	29	29	41	41	34	35	35	26	24	36	38	25	35	37	38	38	37	36	9	31	31	31	33	34	29.4
	MIN	7	- 2	- 5	- 5	-16	-19	-15	8	17	16	26	24	23	12	12	10	7	23	19	18	27	28	32	27		- 9	5	20	25	17	8	11.3
BUTTE	MAX	11	8	5	3	- 1	- 1	13	20	25	31	37	25	25	27	9	1	18	28	18	17	32	41	39	30			14	14	25	29	19	19.3
	MIN	5	- 6	- 8	- 6	-17	-27	- 5	- 2	11	13	19	15	18	3	- 5	-15	-12	10	0	8	14	12	29	- 2	- 5	-26		- 1	- 2	2	9	1.0
CARRINGTON	MAX	9	12	6	10	3	0	3	18	18	24	33	33	26	28	16	8	12	17	24	13	22	30	41	30	12	- 2	7	19	6	16	19	16.5
	MIN	-28	4	-12	-10	-17	-25	-23	3	7	12	15	20	13	13	- 8	- 8	-15	-10	- 7	- 6	1	10	14	- 3	- 5	-28	-29	0	- 5	- 5	1	- 3.3
CARSON 2 8 W	MAX	15	10	25	15	0	- 3	15	32	25	41	37	30	28	22	20	16	20	38	20	20	40	42	42	32	23	6	35	20	32	30	30	24.5
	MIN	5	- 1	- 4	- 1	-20	-25	-14	- 1	15		23	20	0	-10	-11	4	11	17	10	8	18	25	30	15	- 1	-20	- 3	7	7	14	14	4.4
CAVALIER	MAX	9	7	5	2	0	- 4	10	22	24	22	29	28	11	22	8	7	15	15	12	15	25	36	40	11		- 4	20	18	17	17		15.1
	MIN	- 3	0	- 8	-10	-15	-19	- 9	9	11	6	18	11	- 4	8	- 6	-13	-19	5	- 4	0	- 8	4	11	- 8	-10	-23	- 8	- 6	- 3	12		- 2.7
CENTER	MAX				6	6	- 5	16	22	23	39	34	26	27	28			20	28	18		32	38	40	33	16	- 3	28	18	30	31	28	23.2
	MIN	4	- 8		-10	-19	-31	-10	-13	9	8	15	11	16	0			-14	11		2	14	10	29	5	- 3	-31	-17	5	4	14	8	0.3
COOPERSTOWN	MAX	6	4	2	- 4	- 5	- 3	11		15	15	28	22		18	2	- 2	13	9	6	17	20	30	28	22	- 6	-10	4	4	7	8	19	9.7
	MIN	- 1	- 5	-13	- 5	-19	-22	-10	9	7	8	14	18		- 3	-12	-11	-19	4	-10	- 7	8	5	18	-12	-10	-30	-20	-11	-12	- 2	- 2	- 4.8
CROSBY	MAX	5	8	5	3	- 3	- 7	6	16	20	21	38	35	25	28	3	7	13	23	25	20	29	36	41	34	16	2	8	15	16	31	23	17.5
	MIN	- 5	-21	-19	-14	-19	-25	-26	-10	6	8	21	16	19		- 7	-12	- 6	7	1	9	12	15	18	2	- 3	-24	-20	- 1	- 3	6	13	- 2.1
DEVILS LAKE W B CITY	MAX	10	6	5	2	- 2	4	15	18	22	28	33	25	24	28	5	3	15	18	10	15	27	40	35	3	- 2	- 4	11	10	15	14	22	14.7
	MIN	4	- 8	-12	- 4	-20	-22	- 6	6	9	14	15	14	13	- 2	-10	-11	-13	2	- 7	4	8	7	3	- 6	-12	-28	- 5	- 3	2	- 5	9	- 2.0
DICKINSON CAA	MAX	13	15	21	6	- 4	2	15	31	26	40	35	32	30	29	13	19	33	34	21	30	39	42	42	29	25	16	35	26	32	31	26	25.3
	MIN	4	- 5	1	-13	-17	-21	-10	14	13	11	20	18	17	- 4	- 5	6	6	14	14	15	27	29	27	20	- 5	-19	4	8	17	11	9	6.6
DICKINSON EXP STATION	MAX	12	16	16	18	5	- 3	3	24	32	27	41	36	27	30	13	17	18	31	35	25	37	40	43	44	29	12	17	34	27	34	30	24.8
	MIN	6	- 6	- 7	- 2	-17	-26	-25	- 1	- 1	8	15	18	19	11	- 9	- 1	5	5	15	12	23	20	30	18	11	-20	-20	6	8	7	13	3.7

See reference notes following Station Index.

Table 5–Continued

DAILY TEMPERATURES

NORTH DAKOTA
DECEMBER 1950

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DRAKE	MAX	10	11	6	4	3	- 5	3	14	20	32	35	32	25	29	17	8	20	27	25	15	30	30	39	38	30	- 1	2	16	10	28	18	18.5
	MIN	- 8	- 7	-10	-18	-19	-26	-25	- 3	- 3	14	14	14	18	12	-10	-17	-17	12	- 4	7	11	12	26	12	- 5	-27	-25	- 1	- 5	0	7	- 2.2
DUNN CENTER	MAX	9	9	14	3	3	- 2	5	12	31	23	37	25	24	25	13	9	13	30	29	21	34	37	39	38	16	6	16	28	24	33	24	20.3
	MIN	0	-11	-13	-10	-20	-31	-28	-14	10	5	12	18	18	11	- 7	- 2	7	7	13	7	20	12	21	7	4	-28	-25	1	8	20	13	0.6
DUNSEITH ST SANITARIUM	MAX	8	6	8	4	2	6	18	17	20	22	32	27	23	21	8	8	8	19	12	15	31	42	40	10	14	- 6	15	13	14	12	20	15.8
	MIN	1	- 8	-14	- 5	-17	-25	- 6	5	10	15	14	12	15	3	-10	-17	-17	8	- 3	2	8	5	26	- 8	- 7	-22	-14	0	- 3	- 2	4	- 1.5
EDGELEY EXP FARM	MAX	14	21	11	15	8	- 6	3	15	23	26	31	35	27	27	21	18	12	14	34	16	24	40	47	45	18	0	5	24	8	28	25	20.3
	MIN	3	6	- 8	- 3	-16	-21	-16	0	8	15	16	17	12	12	18	-12	-12	- 3	- 9	- 5	5	10	14	3	- 3	-30	-30	- 3	- 8	6	7	- 0.9
EDMORE 1 W	MAX	6	6	4	3	0	0	13	18	21	22	32	28	16	26	6	14	11	18	12	14	26	37	35	10	0	- 8	10	11	12	12	22	14.1
	MIN	- 2	- 5	-13	- 8	-18	-22	- 8	8	1	4	8	14	2	5	-10	-14	-15	10	- 8	- 8	6	12	10	-12	- 8	-27	-13	- 7	- 8	-11	5	- 4.3
ELBOWOODS	MAX	14	10	8	5	3	- 3	- 2	26	25	38	40	34	29	30	8	12	20	31	20	22	37	46	40	32	10	0	20	14	32	30	22	21.1
	MIN	6	-12	-11	- 4	-17	-30	-18	-18	18	14	18	17	16	3	-12	4	8	5	14	8	18	14	26	2	- 6	-30	-16	- 8	0	18	8	0.9
ELLENDALE	MAX	26	23	20	8	5	1	17	24	27	26	35	27	27	28	13	13	18	36	26	29	42	44	47	36	14	2	12	14	20	28	37	23.4
	MIN	8	8	- 4	2	-13	-18	0	11	20	12	22	18	13	6	- 2	- 5	7	2	0	0	12	14	34	5	0	-25	-25	- 2	-11	12	12	3.6
EPPING	MAX	10	5	8	3	7	- 3	10	23	22	38	37	28	28	27	5	14	18	25	18	20	41	35	36	35	15	5	20	23	31	28	22	20.5
	MIN	3	-18	- 7	- 8	-26	-25	-11	- 5	9	8	17	17	21	- 2	- 4	4	11	10	10	15	17	18	7	7	- 2	-17	- 4	1	11	13	8	2.5
FARGO WB AIRPORT	MAX	24	14	11	5	2	8	15	23	23	28	27	12	22	7	8	4	15	12	13	28	35	37	6	3	- 4	8	10	13	17	35		15.5
	MIN	8	0	- 5	0	-13	-13	5	7	8	8	18	1	- 5	7	- 8	-12	-15	- 3	- 5	- 1	- 1	8	3	- 8	- 4	-28	-18	-11	- 8	7	17	- 2.1
FESSENDEN	MAX	14		12	12	4	- 4	10	17	24	30	34	25	23	22	5	- 2	8	24	14	15	30	40	35	11	5	- 1	13	15	20	21	20	16.6
	MIN	- 5	-11	- 2	- 1	-19	-27	- 4	4	6	8	8	16	16	4	- 8	-18	-15	- 3	- 2	- 1	11	10		- 4	- 8	-27	-14	- 4	- 7	- 6		- 3.4
FORMAN	MAX	25	23	16	10	8	3	17	24	25	25	34	32	26	26	8	10	2	30	30	24	37	39	45	30	1	18	15		15	25	34	22.0
	MIN	8	8	- 7	3	-12	-17	- 1	14	11	8	19	24	10	9	- 6	- 6	-17	1	- 5	- 5	10	8	30	1	-24	-23			-12	8	14	1.8
FORT YATES	MAX	18	18	26	23	3	- 3	18	34	30	34	36	31	26	30	10	16	22	38	24	28	43	51	48	38	27	2	30	36	31	30	25	26.5
	MIN	8	6	- 8	3	-14	-23	-14	- 3	19	6	28	16	20	8	5	0	11	18	10	5	14	22	33	15	2	-23	- 7	8	4	15	18	6.5
FOXHOLM WILDLIFE REF	MAX	21	8	2	- 6	0	- 2	13	20	24	38	36	27	28	31	7	11	20	30	15	20	34	43	38	30	12	5	22	15	30	30	20	20.1
	MIN	- 3	-17	-20	-16	-23	-29	- 7	- 4	- 1	10	24	17	18	0	- 3	- 6	-13	8	0	8	13	12	28	- 1	- 5	-32	-10	- 2	-14	- 1	8	- 2.0
FULLERTON	MAX	23	23	15	8	5	3	17	20	26	25	35	27	26	28	10	10	14	34	27	26	38	47	46	36	13	1	13	13	17	28	37	22.4
	MIN	8	8	- 6	3	-12	-19	2	8	12	18	21	19	12	8	- 5	- 8	-11	10	- 2	4	6	11	36	5	0	-26	-21		-11	8	12	3.0
GACKLE	MAX	15	11	9	6	- 4	4	12	21	28	35	36	25	25	26	10	10	19	30	25	20	35	43	44		10	0	21	15		30	28	20.2
	MIN	6	0	- 4	- 4	-19	-23	- 4	7	11	18	15	12	12	2	- 8		-11	10			10	10	14	2	- 6	-26	- 5	- 7		7	10	1.1
GARRISON	MAX	15	2	7	4		- 5	14	20	26	36	31	26	27	15	6	7	18	27	16	20	33	40	36	11	7	- 6	18	13	28	18	21	17.7
	MIN	3	-11	- 8	-11	-21	-26	-12	- 8	15	13	12	12	18	0	- 7	- 1	4	7	8	7	16	11	18	1	- 5	-24	- 7	- 3	5	8	8	0.8
GRAFTON STATE SCHOOL	MAX	12	11	8	2	2	- 1	11	24	24	24	28	29	15	25	8	10	8	16	13	12	27	36	38	22		- 1	17	15	15	18	28	15.8
	MIN	0	0	- 4	- 8	-14	-17	- 8	8	8	5	17	12	- 8	6	- 5	-12	-18	2	- 4	- 6	- 7	5	12	-10		-23	-12	- 8	- 8	0	0	- 3.0
GRAND FORKS CAA	MAX	15	9	6	3	1	1	13	22	24	23	27	24	12	23	8	8	10	15	10	14	26	37	37	2	- 1	- 5	13	9	14	15	29	14.3
	MIN	7	- 3	- 4	- 4	-13	-16	- 3	8	10	10	21	- 1	-10	2	- 9	-12	-13	3	- 6	0	6	5	0	-10	- 8	-23	-13	- 8	- 4	- 5	11	- 2.6
GRAND FORKS UNIVERSITY	MAX	15	13	8	3	0	0	12	23	24	20	27	26	9	22	8	8	7	15	11	12	26	35	37	3	- 2	- 5	10	12	10	14	32	14.1
	MIN	3	5	- 2	- 4	-10	-15	- 5	10	2	10	20	8	- 7	8	- 9	-11	-12	- 1	- 4	- 1	3	2	- 2	- 9	- 5	-22	-14	- 5	- 7	- 4	13	- 2.1
GRAND RAPIDS 1N	MAX	22	22	15	8	10	6	15	24	26	25	36	31	26	21	10	11	18	33	28	23	38	48	44	38	10	10	11	10	18	27	32	22.5
	MIN	8	7	-10	2	-15	-23	5	10	11	17	19	16	13	9	- 9	-18	-19	2	- 4	0	0	8	30	1	- 2	-32	-24	- 8	-20	8	15	0.0
GRANVILLE	MAX	13	8	8	6		-10	14	18	26	32	37	27	27	30	8	1	19	26	18	18	30	43	38	28	6	0	22	15	22	22	25	18.4
	MIN	5	-14	-13	- 4	-20	-28	- 8	- 9	8	14	18	12	12	0	-10	-20	-16	3	- 1	5	11	8	24	- 4	- 6	-34	-14	- 5	-10	- 8	8	- 3.0
GRENORA	MAX	33		10	2	- 1	- 1	11			36	34	26	29	22	10	10			18	29	34	41	36	28	22	4	20	18	25	25	18	20.8
	MIN	- 1		-21	-10	-25	-25	-11			10		11	20	0	2	0	10	16	9	14	11	25	27	5	4	-21	- 5	0		15	3	2.5
HANKINSON R R STATION	MAX	36	26	12	15	9	- 2	11	20	28	26	28	38	36			10	12	12	36	12			40	44	12	3	5	18	9	19	24	20.0
	MIN	9	9	- 6	- 8	- 8	-16	-14	8	13	16	15	22	1			- 7	-13	-12	- 3	-10			4	2	- 4	-20	-23	- 7	-17	- 7	4	- 2.7
HANNAH	MAX	4	3	- 1	- 1	- 1	- 2	14	16	20	22	32	27	18	27	2	2	10	16	11	14	27	37	35	4	- 5	- 8	10	10	14	13	20	12.5
	MIN	- 3	-12	-17	-16	-24	-26	- 9	4	4	1	9	8	7	- 1	-12	-16	-18	4	- 9	- 2	2	12	4	-14	- 9	-28	-11	- 6	- 3	-14	4	- 8.1
HANSBORO	MAX	5	4	2	1	- 2	1	11	16	21	23	31	26	20	27	3	8	11	17	13	27		41	35	13	13	8	20	13	15	14	20	15.2
	MIN	- 4	-14	-19	-17	-18	-23	-13	3	8	12	10	13	12	1	-10	-14	-14	5	-10	- 5		8	13	-10	-14	-30	-14	- 5	- 1	- 8	2	- 5.2
HETTINGER	MAX	17	22	33	18		1	21	29	37	41	48	33	37	30	21	30	28	41		37	48	52	51	36	30	15	30	33	36	32	27	31.6
	MIN	8	0	0	- 2	-11	-20	- 9	6	11	18	23	20	16	7		5	18	18	17	15	21	17	28	27		-12	4	7	20	18	16	10.0
HILLSBORO	MAX	21	17	12	5	2	2	14	25	24	24	28	28	15	22	14	10	10	14	10	15	28		38	15		-14	10	8	10	14	30	15.6
	MIN	2	5	- 4	- 2	-10	-15	- 4	10	6	8	20	15	- 4	9	- 9	- 6	-15	- 5	6	- 7	5	5	15	- 6		-23	-22	- 5	- 8	0	6	- 1.1
JAMESTOWN CAA	MAX	16	10	11	6	0	6	15	20	24	32	33	26	22	26	10	10	16	28	13	17	33	43	39	15	1	- 2	15	8	28	28	30	18.7
	MIN	6	- 4	- 8	- 1	-23	-24	5	11	11	17	22	17	13	4	- 9	-14	-15	11	- 5	2	8	5	14	- 1	- 5	-28	- 8	-12	-14	7	14	- 0.2
JAMESTOWN STATE HOSP	MAX	16	14	9	6	1	2	13	20	23	29	33	27	25	28	8	5	17	28	15	17	33	43	38	34	5	- 3	15	8	17	28	28	18.8
	MIN	6	1	- 8	1	-15	-21	2	12	8	17	22	21	13	7	- 7	-10	-15	10	- 3	- 1	8	10	28	1	- 3	-25	-18	- 2	-14	8	7	1.4
KENMARE	MAX	9	7	2	5	2	- 8	4	13	22	28	38	31	25	30	6	8	12	22	27	20	34	32	42	35	13	- 3	10	21	15	30	16	17.7
	MIN	- 4	-17	-20	- 5	-16	-22	-20	- 8	2	13	23	18	18	6	- 6	-15	-15	9	- 1	5	15	15	28	2	- 4	-29	-28	3	0	0	9	- 1.4
KENSAL WILDLIFE REFUGE	MAX	10	9	6	2	0	0	11	15	22	31	31	25	23	23	7	2	17	26	18	18	35	42	40	24	5	2	16	14	20		28	17.4
	MIN	2	- 5	-13	- 3	-17	-26	- 1	8	9		18	20	13	6	-10	-17	-21	14	- 9	- 3	8	5	16	- 6	- 4	-31	-20	- 7	-12	2	8	- 2.5
LANGDON EXP FARM	MAX	5	6	3	3	- 2	4	15	18	20	26	31	26	16	22	8	10	8	15	10	17	25	34	34	10	- 3	- 7	8	8	15	12	24	13.6
	MIN	- 5	0	-15	-15	-23	-24	- 9	12	2	4	12	7	- 2	2	-11	- 5	-16	7	-11	-10	- 5	13	10	-15	-10	-30	-15	-10	- 8	-13	0	- 5.8
LEEDS	MAX	10	5	2	6	6	- 2	3	14	23	21	32	27	22	28	7	13	20	16	10	26	27	40	34		0	- 4	15	10	16	12	24	15.4
	MIN	2	- 8	- 7	-11	-17	-26	- 7	3	7	10	15	18	14	8	-10	-16	-16	6	- 9	1	10	4		- 9	-10	-31	-12	- 6	- 5	-12	5	- 3.7
LINTON	MAX	19	15	25	17	1	- 3	12	28	28	31	36	26	25	28	8	17	18	40	21	22	43	50	46	31	18	4	25	24	27	25	30	23.8
	MIN	10	3	- 8	- 5	-15	-25	- 8	- 8	20	15	25	15	20	5	- 3	- 5	10	12	- 7	5	14	15	31	14	1	-25	-10	0	- 4	12	18	4.4
MADDOCK AGR SCHOOL	MAX	10	8	2	2	0	0	15	16	22	27	31	26	22	27	8	5	16	20	14	16	25	38	35	28	0	- 4	13	10	15	28	23	16.1
	MIN	1	- 5	-18	- 5	-21	-27	- 2	3	8	16	16	21	14	5	-12	-17	-19	12	- 9	- 7	0	6	25	- 8	- 5	-32	-17	- 6	-10	- 6	5	- 3.0
MANDAN EXP STATION	MAX	10	15	7	14	5	- 7	5	14	26	25	39	32	25	28	15	9	12	21	33	16	30	38	44	42	21	2	10	22	18	31	22	20.1
	MIN	3	2	- 6	- 2	-15	-25	-22	- 6	5	8	14	17	21	15	- 5	- 2	7	11	7	5	7	16	27	11	2	-21	-22	7	1	15	14	2.8
MANDAN FT LINCOLN PARK	MAX	18	13	18	11	3	- 5	16	27	28	40	40	26	26	28	17	14	21	38	22	20	41	47	43	34	16	7	23	17	27	31	22	23.5
	MIN	5	4	- 8	0	-17	-25	- 8	- 6	17	10	25	13	20	4	- 6	0	7	15	6	4	14	14	33	8	- 2	-23	-15	3	- 1	15	15	3.8
MARMARTH	MAX		20	31	27	0	8	15	35	30	46	43	41	38	30	32	40	37	42	26	38	47	50	50	42	42	17		36	34	40	36	33.6
	MIN		- 3	5	- 4	-18	-27	-11	13	17	10	27	25	22	12	2	8	8	7	18	20	25	23	27	25	5	0		24	22	15	11	10.8
MAX	MAX	12	8	9	3	- 5	6	14	21	25	37	32	24	24	31	12	13	17	26	26	21	32	42	38			10	13	12	28	18	18	18.8
	MIN	- 9	-10	- 7	-18	-25	-23	- 6	5	14	14	14	19	12	- 1	- 9	- 7	6	10	8	12	15	22		- 5		-21	0	- 2	7	7	6	0.9

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

NORTH DAKOTA
DECEMBER 1950

Station		Day of month																												Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MAYVILLE	MAX	19	15	11	4	1	0	-14	23	24	22	29	29	17	24	10	9	9	13	13	15	28	39				-12	7	10	14	14	29	14.2
	MIN	4	2	- 4	- 2	- 9	-14	- 4	11	8	6	19	17	- 7	9	- 9	-10	-13	- 2	- 3	- 4	9	10				-22	-20	- 6	-10	0	0	- 1.6
MC CLUSKY	MAX	12	9	6	5	0	- 3		21	25	33	35	25	25	25	6	7	18	26	15	17		39	36	26	5	- 4	14	12	25	29	20	17.5
	MIN	3	- 4	- 9	- 1	-20	-26		- 4	13	15	20	13	19	1	- 6	-19	-11	13	4	5		14	26	- 1	- 5	-25	-15	- 2	- 3	7	10	0.4
MC HENRY 5 N	MAX	12	10	6	3	0	3	13	17	21	24	32	27	19	26	9	2	12	17	13	15	26	39	35	25	- 1	- 5	12	10	12	17	25	15.3
	MIN	- 2	0	-13	- 3	-20	-25	- 5	5	7	13	15	17	10	7	-14	-13	-19	10	-10	- 6	8	3	23	-11	- 5	-29	-17	- 8	-12	- 4	5	- 3.0
MC LEOD 3 E	MAX	23	13	10	7	3	3	17	25	25	24	32	30	25	25	19	13	12	22	20	19	36	37	41	33	5	0	2	19	0	20	34	19.1
	MIN	- 5	- 8	- 6	- 2	-12	-16	1	12	11	9	11	20	0	8	- 3	- 3	-18	- 6	- 5	-10	10	2	31	- 6	-20	-29	-28	- 3	-17	- 7	2	- 2.8
MEDORA T R N M P	MAX	19	21	29	19	1	9	14	36	31	46	43	31	39	32	20	18	30	39	27	34	46	51	49	39	32	17	39	39	38	37	27	30.9
	MIN	9	- 6	1	- 4	-21	-31	- 5	1	18	0	25	15	23	8	-11	- 3	- 2	15	0	12	26	19	27	25	3	-21	2	10	18	6	10	5.4
MINOT CAA	MAX	9	3	5	2	- 7	0	14	19	26	38	32	25	29	30	6	5	19	25	16	19	31	42	40	18	1	1	16	11	29	13	19	17.3
	MIN	1	-13	-10	-10	-18	-22	0	- 4	14	14	19	21	19	- 2	- 6	-15	0	6	7	12	15	14	19	0	- 9	-23	1	- 2	3	4	7	1.3
MINOT EXP FARM	MAX	10	8	50	2	- 1	- 2	13	20	26	37	37	27	25	29	4	4	17	25	15	19	30	42	38	28	6	- 5	14	10	29	29	21	18.1
	MIN	5	-12	-10	- 3	-19	-25	- 4	- 7	14	12	25	18	18	10	- 1	-13	- 5	8	5	11	13	13	29	2	- 5	-28	-11	- 1	- 6	3	10	1.1
MOHALL	MAX	7	4	5	2	- 3	- 5	12	14	27	34	35	25	27	25	6	2	21	23	15	17	29	42	36	22	3	- 4	17	11	22	14	17	16.2
	MIN	2	-20	-23	- 4	-19	-26	- 5	- 9	9	14	19	12	18	- 2	- 6	-17	-11	2	- 6	7	12	9	22	- 1	- 7	-32	-13	2	- 3	- 3	6	- 2.4
MOTT	MAX	15	16	25	22	2	- 1	12	36	31	45	40	32	34	29	19	20	29	39	25	33	44	49	44	36	29	11	36	34	35	31	26	29.3
	MIN	6	- 4	- 5	- 6	-16	-29	-16	- 1	20	2	25	15	22	9	-10	6	12	22	14	13	23	20	29	21	1	-21	- 6	11	17	4	10	6.0
MUNICH 4 SW	MAX	5	3	0	- 1	- 3	0	13	16	20	22	32	27	19	26	4	5	9	15	10	15	24	34	33	13	- 7	- 8	10	10	13	12	20	12.6
	MIN	- 1	- 7	-16	-13	-20	-24	-12	3	0	5	11	16	11	4	-12	-16	-19	8	-10	- 8	7	9	13	-14	- 9	-28	-17	- 6	- 7	-10	2	- 5.1
NAPOLEON 1 SE	MAX	15	13	19	11	0	- 3	16	23	25	32	37	24	23	25	10	12	16	31	15	20	37	43	42	31	18	- 3	18	23	23	28	26	21.0
	MIN	6	4	-10	- 1	-20	-27	- 7	0	14	14	19	11	16	2	-11	- 9			0	- 5	10	14	30	5	- 5	-24	- 9	- 3	-10	11	12	0.9
NEW ENGLAND	MAX	26	19	29	22	0	5	13	34	30	45	41	32	33	30	22	20	31	39	22	34	44	49	49	38	30	12	36	37	34	34	28	29.5
	MIN	7	- 2	0	- 1	-17	-24	-12	- 6	20	9	24	19	23	9	- 2	2	5	21	14	14	25	26	31	25	- 2	-18	- 5	12	20	8	15	7.7
NEW SALEM 1 S	MAX	18	12	15	10	- 4	- 8		30	39	39	37	25	22	23	10	17	15		15	20	41	39	39	18	16	- 1	27	30	29	30	31	21.9
	MIN	9	- 9	- 5	- 7	-19	-23	-15	- 3	6	6	25	13	7	2	-11	- 3	9	7	3	5	15	10	31	7	- 4	-18	0	3	7	10	12	2.2
OAKES	MAX	16	24	14	18	8	- 4	9	19	25	27	28	34	28	28	25	11	13	17	32	14	26	40	42	45	19	3	- 5	13	9	26	25	20.3
	MIN	5	9	- 5	- 4	-12	-20	-19	8	11	17	19	19	12	11	- 5	- 9	-14	-13	0	- 3	0	9	9	4	0	-23	-26	- 9	-15	3	12	- 1.0
PARK RIVER	MAX	10	9	7	1	1	- 1	12	20	24	23	29	29	12	26	8	10	12	17	12	17	27	39	40	13	- 3	- 4	15	14	16	15	23	15.2
	MIN	0	3	- 5	- 5	-14	-13	- 6	12	9	6	17	10	- 2	8	- 5	- 9	- 8	10	- 3	- 6	- 5	11	13	- 6	- 6	-21	- 8	- 5	- 5	- 4	1	- 1.2
PARSHALL	MAX	11	7	7	4	- 2	- 4	11	24	26	36	37	28	28	28	8	10	18	26	18	20	34	44	39	29	13	- 3	12	14	31	31	23	19.6
	MIN	5	-15	-12	- 5	-20	-29	-20	-15	17	10	20	18	20	1	- 5	0	9	4	10	14	15	10	28	4	- 3	-29	-14	- 1	5	5	12	1.2
PEMBINA 2N	MAX	14	10	6	- 1	- 4	1	19	16	22	22	25		19	21	5	- 1	10	16	14	16	10	28	34	1	- 1	- 2	7	5	3	14	23	11.7
	MIN	- 3	- 9	-15	-15	-21	-19	- 2	2	1	9	20	-12	- 9	- 5	-19	-18	-16	- 6	1	- 3	- 1	7	-10	-10	-26	-27	- 7	- 8	- 8	- 8	- 1	- 7.7
PETERSBURG	MAX	10	9	10	3	- 1	2	15	19	21	22	32	29	15	24	13	9	10	19	10	16	25	38	36	12	- 2	- 6	13	12	14	13	27	15.1
	MIN	4	3	- 9	- 5	-16	-17	- 7	9	5	5	14	13	- 1	6	5	-12	-14	9	- 9	- 4	5	12	12	- 9	- 6	-24	-12	- 7	- 9	- 2	3	- 1.9
PETTIBONE	MAX	14	11	10	5	0	- 5	12	19	23	23	34	26	24	21	8	5	17	26	16	16	31	40	39	30	9	- 2	13	10	19	29	23	17.5
	MIN	0	0	-10	0	-17	-24	-10	0	11	16	21	15	15	5	-10	-13	-15	13	2	- 1	11	10	30	0	- 2	-25	-15	- 3	-10	9	7	0.3
PORTAL	MAX	5	7	- 2	3	- 1	-10	4	13	22	24	36	30	25	28	3	5	14	24	24	19	29	35	40	31	12	- 4		17	13	28	13	16.2
	MIN	- 9	-22	-22	- 9	-22	-26	-20	-10	5	11	17	15	19	- 2	- 6	-15	-14	8	- 6	- 1	15	15	22	- 1	- 4	-24	-17	0	1	3	2	- 3.1
POWERS LAKE 1N	MAX	12	6	6	1	- 8	- 2	6	16	27	36	32	24		14	9	9	20	20	16	19	29	39	34	17	10	20	14	27	29	20	21	17.4
	MIN	- 8	-23	-21	- 9	-24	-28	-14	-13	10	10	112	19		0	-11	-13	6	6	- 1	14	11	17	17	10	- 8	- 8	-11		4	5	5	- 1.6
RICHARDTON ABBEY	MAX	12	9	19	13	- 1	- 3	10	32	27	40	40	32	29	29	9	16	21	35	18	25	41	43	43	35	25	5	30	33	33	31	23	24.3
	MIN	5	- 6	- 3	- 2	-18	-20	-13	2	19	10	29	17	21	3	- 7	5	11	18	13	13	20	23	33	19	- 2	-16	0	8	9	17	12	6.9
RIVERDALE	MAX	12	8	6	3	- 3	- 7	13	20	26	39	42	27	27	19	5	8	18	26	16	19	34	43	49	29	9	- 4	12	13	29	29	20	18.9
	MIN	5	- 9	-11	- 3	-17	-25	-10	- 7	19	12	22	16	19	2	- 3	- 1	5	10	9	8	14	14	27	4	- 4	-23	- 5	- 2	- 2	8	12	2.6
ROLLA	MAX	5	9	7	0	- 5	3	15	18	21	24	32	29	20	26	6	9	10	17	12	15	31	43	37	10	- 3	- 8		20	15	14	21	15.0
	MIN	- 1	-14	-19	- 9	-18	-24	- 9	4	9	13	17	14	13	0	-10	-14	-12	9	- 2	1	6	3	10	- 7	-12	-25		2	- 3	- 9	2	- 2.8
RUGBY	MAX	10	7	3	3	0	- 3	21	16	22	27	31	29	26	22	7	5	14	18	15	16	25	41	39	29	7	- 4	12	10	15	18	24	16.3
	MIN	4	-10	-17	- 4	-21	-27	- 4	0	5	15	16	18	15	6	-10	-16	-15	11	- 6	3	9	6	23	- 5	- 5	-29	-13	0	- 5	- 4	5	- 1.8
SANISH	MAX	12	12	4	9	5	- 5	4	9	25	26	36	35	27	30	10	7	15	18	28	20	22	37	45	39	22	5	6	19	12	33	20	18.9
	MIN	- 2	-12	-14	- 5	-18	-24	-22	-14	- 1	9	10	16	20	10	- 9	0	5	6	4	12	16	15	14	9	3	-27	-25	4	7	8	14	0.3
SHARON	MAX	9	11	13	3	1	2	14	18	22	22	32	29	17	22	8	7	10	16	12	16	28	39	37	10	0	- 4	11	12	11	15	25	15.1
	MIN	1	2	-10	- 3	-17	-19	- 4	6	6	10	14	16	0	5	-10	- 8	-14	9	-10	- 6	7	10	10	- 9	- 6	-26	-16	- 8	- 9	0	3	- 2.4
STANLEY	MAX	4	1	4	- 1	- 8	- 2	9	20	23	38	32	26	28	28	2	10	16	22	17	30	26	40	37	15	1	- 3	1	16	30	21	24	16.3
	MIN	-12	-19	-16	-15	-23	-26	- 5	-15	13	10	16	17	18	- 5	- 6	-11	5	7	9	15	12	12	12	- 1	- 9	-26	-16	-12	7	- 1	6	- 1.9
STEELE	MAX		15	11	6	7	- 6	14	21	25	31	37	26	25	23	13	5	20	29	15	18	41	43	40	28	12	- 5	13	13	23	28	26	1999
	MIN		0	-12	- 1	-17	-27	- 6	0	2	15	21	12	14	3	-11	-10	- 5	10	- 1	0	9	9	28	2	- 5	-30	-14	- 5	- 7	7	10	- 0.3
TOWNER	MAX	19	2	5	7	9	- 5	14	22	26	26	29	30	29	32	8	1	15	22	17	22	26	42	38	12	2	- 4	15	11	22	14	21	17.0
	MIN	-19	-12	-21	- 7	-24	-32	-18	-12	12	8	15	14	19	4	-13	-20	-12	12	- 9	8	3	5	10	- 6	- 8	-34	-17	- 5	- 9	- 4	- 2	- 5.6
TURTLE LAKE	MAX	12	9	6	3	1	- 9	15	25		31	35	25	26	28	8	2	19	25	16	19	32	40	36			- 5	16	14	29	29	19	18.0
	MIN	2	- 8	-15	- 4	-21	-30	-11			13	15	8	18	0	- 6	-14	- 5	13	1	4	12	8	23			-29	-12	- 5	2	2	10	- 1.1
UNDERWOOD 12 W	MAX	9	9	6	3	3	0	13	21	27	37	36	26	27	27	7	9	22	26	18	17	25	40	38	33	10		17	9	30	19	20	19.5
	MIN	5	- 5	-11	- 1	-15	-34	- 7	-13	18	11	22	13	20	5	- 5	- 6	5	6	9	1	9	15	31	0		-31	- 7	- 2	2	9	14	1.9
UPHAM WILDLIFE REFUGE	MAX	11	9	3	5	2	- 4	15	14	20	29	32	27	27	29	4	3	15	20	15	18	29	44	40	26	3	- 3	16	11	19	16	24	16.9
	MIN		-19	-24	- 6	-23	-33	- 3	- 9	9	12	15	12	17	3	-13	-22	-19	6	- 4	- 1	9	6	15	- 8	- 4	-34	-19	- 1	- 5	- 8	8	- 4.7
VALLEY CITY	MAX	18	16	10	8	4	5	17	20	24	24	35	30	24	26	12	7	12	26	18	17	33	40	29	34	6	0	9	10	15	20	30	19.0
	MIN	4	6	- 6	- 1	-15	-21	4	12	9	16	16	22	10	10	- 8	-13	-19	5	- 8	- 6	7	4	32	- 4	- 2	-22	-17	- 2	-11	13	5	0.7
VAN HOOK	MAX	11	8		5	1	- 2	9	24	25	33	38	27	29	28	7	11	17	25	17	20	36	44	39	29	15	- 2	18	17	31	30	23	20.4
	MIN	6	-13		- 3	-20	-25	-16	-13	17	11	20	19	21	2	- 7	4	9	6	12	16	17	16	28	7	- 3	-27	-15	2	6	9	12	3.3
VELVA	MAX	12	10	7	4	1	- 2	13	21	26	33	37	26	27	27	10	5	22	27	16	18	32	43	39	28	8	- 1	18	12	29	30	20	19.3
	MIN	7	- 8	-12	- 3	-16	-27	- 2	- 5	14	12	21	13	20	2	- 5	-17	- 9	4	0	13	13	10	28	0	- 3	-30	- 5	- 4	- 9	- 1	11	0.4
WAHPETON STATE SCHOOL	MAX	24	22	12	12	6	5	15	25	22	24	29	28	30	24	12	9	7	20	20	16	31	28	38	34	4	3	13	10	9	15	35	19.9
	MIN	8	8	- 8	- 5	-10	-14	4	13	15	7	12	20	- 2	9	- 4	- 4	-16	- 2	- 4	- 2	- 3	7	25	- 8	- 2	-29	-24	- 4	-12	9	9	- 0.2
WASHBURN	MAX	15	13	10	5	3	- 7	16	22	26	36	38	27	29	29	8	11	20	29	18	21	37	44	39	32	12	- 1	23	15	30	30	20	20.9
	MIN	5	- 4	- 7	2	-16	-23	- 8	- 5	18	13	23	14	20	4	- 3	- 1	4	15	4	6	14	20	31	5	- 3	-23	- 7	4	3	10	14	4.2
WATFORD CITY	MAX	13	9	19	5	- 6	7	15	26	24	41	40	27	31	27	13	17	20	28	22	24	40	46	40	31	18	10	30	31	34	32	24	23.8
	MIN	6	-11	- 6	- 7	-19	-24	-10	- 7	13	7	19	17	22	2	3	6	10	15	13	12	21	26	30	12	- 3	-20	- 7	6	16	18	8	5.4

See reference notes following Station Index

DAILY TEMPERATURES

Station		Day of month																														Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WESTHOPE	MAX	8	5	1	2	1	- 1	14	14	25	26	31	26	29	29	7	5	13	19	20	16	29	41	36	7	2	- 5	9	11	19	15	18	15.2
	MIN	2	-20	-23	- 5	-23	-28	- 1	- 9	5	14	20	19	17	- 3	-12	-20	-15	0	1	2	10	7	6	- 5	- 6	-33	-17	2	0	- 5	4	- 3.7
WILLISTON WB CITY	MAX	12	8	8	4	- 3	3	16	27	24	42	37	28	30	28	10	17	20	28	22	27	39	45	40	23	14	10	28	20	32	29	25	22.4
	MIN	- 5	-14	-13	-13	-18	-23	- 2	- 3	12	9	20	17	24	4	4	9	12	15	12	18	20	21	19	9	-10	-18	10	9	18	23	9	5.6
WILLOW CITY	MAX	9	7	3	6	- 2	- 2	16	16	23	26	32	26	26	29	6	5	15	19	14	18	25	40	37	17	2	- 2	16	13	16	16	25	16.0
	MIN	4	-15	-27	- 3	-24	-34	- 3	0	10	9	14	19	16	0	-11	-22	-21	8	-15	- 7	10	1	14	-12	- 5	-36	-19	- 4	- 7	-10	8	- 5.2
WILTON RR STATION	MAX	9	14	4	11	5	12	6	16		24	36	35	24	27	15	5	11	19	27	15	25	34	42	39	17	0	12	22	13	28	20	18.9
	MIN	- 4	- 4	-10	- 4	-20	-24	-24	- 9			12	12	17	12	- 4	- 8	- 4	7	1	3	2	15	19	1	- 3	-18	-20	3	- 5	9	9	- 1.3
WISHEK	MAX	14	20	11	20	8	- 7	8	16	24	26	38	33	25	27	19	8	23	34	32	18	36	38	46	44	26	7	9	27	14	29	28	22.6
	MIN	2	6	-10	- 2	-17	-26	-24	3	3	14	19	14	15	13	-13	-13	9	6	6	- 5	14	12	25	7	- 1	-28	-26	- 3	-11	10	11	0.3

See reference notes following Station Index.

Table 7

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
DECEMBER 1950

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Almont 7 5W	SNOWFALL	T			1.6			T					T	1.0			T								T	2.5			0.9			
	SN ON GND	-	-	-	4	4	4	4	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-			3	3	3	3	-	-	-
Amenia	SNOWFALL				3.0		2.0					0.2			1.0				3.0							5.0				T		
	SN ON GND	1	1	1	4	4	6	5	5	5	5	4	4	4	5	5	4	4	7	6	6	5	5	3	3	8	7	7	7	7	7	6
Ashley	SNOWFALL				0.3												T	0.3								1.3						
	SN ON GND				T												T	T								1	1	1	1	1	1	1
Beach	SNOWFALL				1.0	0.3							0.5				T		T			T				T	T			T		
	SN ON GND	T	T	T	1	1	1	1	1	T	T		1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
Bismarck W8 AP	SNOWFALL	T	T		1.7	T	T	0.2	T	T	T		0.5	T	0.2	T	0.1	T	T	T	T	T	T		3.5	4.1	T	T	0.9	0.4	T	0.4
	SN ON GND	T	T	T	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	T	T	T	T	7	7	7	8	8	8	8
Carson 2 SW	SNOWFALL				1.5			T	T				0.5				T	T	T	T	T				T	1.0			T	T	T	T
	SN ON GND	3	3	3	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	3	2	2	2	3	3	3	3	3	3	3
Center	SNOWFALL	T			-											T	T								T	5.0			T			
	SN ON GND	-	-	-	6	6	6	6	5	5	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	8	8	8	8	8	8	8
Crosby	SNOWFALL	5.5	T		1.0	T								0.5	T		T	T		T						4.0	T		T	T	T	
	SN ON GND	6	6	6	6	6	6	6	6	4	4	2	2	3	3	3	3	3	3	3	3	2	1	1	1	6	6	6	6	6	6	6
Devils Lake WB City	SNOWFALL	0.2	T	T	1.2		T	0.1	T	T	T	T		0.2	1.4	T	T	T	0.7	T	0.2	T	T	T		5.3	T	T	0.3	T	0.5	T
	SN ON GND	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4	4	10	10	10	10	10	9	10
Dickinson CAA AP	SNOWFALL	0.1		0.5	1.1					T			0.5	T	T	0.2	T	T	T	T		T		T	1.7	T	0.1	0.2	T		0.1
	SN ON GND	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	1	1	2	3	3	3	3	3	3
Dunn Center	SNOWFALL				1.5	0.9								1.0				T							T	1.0	1.5	T	T			
	SN ON GND	2	2	2	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	3	3	2	3	4	4	4	4	4	4
Edgeley Exp Farm	SNOWFALL					0.3												T	T							3.3	1.4		0.4			
	SN ON GND					T	-	-	-	-	-	-	-	-	-	-	-	T	T	T	T	T				3	5	5	5	5	5	5
Ellendale	SNOWFALL		T		1.0	0.5	T	T		T		T								T						8.5	1.5		T			T
	SN ON GND	1	T	T	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	T	T	T	T	9	10	10	10	10	10	10
Fargo WB AP	SNOWFALL	T	T		0.8	0.2	0.9	0.1	T	T	0.3	T	T		1.5	T	T		0.7	T	T	T		T		2.2	T	T	0.3	0.2	T	T
	SN ON GND	1	1	1	1	2	2	3	3	3	3	3	3	3	5	5	5	5	5	5	5	5	5	4	4	7	7	7	7	7	7	6
Fessenden	SNOWFALL				-				-					-	-				-							-	-					
	SN ON GND	11	11	11	12	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	8	6	6	6	6	6	6	6	6	6
Forman	SNOWFALL			T	0.8			0.7				T			0.5				T							7.0						
	SN ON GND			T	1	1	1	2	2	2	2	1	T	T	1	1	1	1	1	1						7	7	7	7	7	7	6
Fort Yates	SNOWFALL	T			0.5	T		0.3					T	0.6		T	0.2	T		T				T	2.8				T	T	T
	SN ON GND	T	T	T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T	T	T	3	3	3	3	3	3	3
Grafton State School	SNOWFALL	T			T	1.2						T	T	T	1.0				1.0	T	T								T	T	T
	SN ON GND	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4
Grand Forks CAA AP	SNOWFALL	0.2	T	T	0.4	0.2	0.4	T	T		1.0	T	T	T	1.7	T			1.6	T	T	T				0.6		T	T	0.1	T	T
	SN ON GND	T	T	T	T	1	1	1	1	1	1	2	2	2	4	4	4	3	4	4	4	4	4	3	2	3	3	3	3	3	3	3
Hettinger	SNOWFALL						0.2																			T	T					
	SN ON GND	T	T	T	T	T	T	T	T	-	-	-														-	-	-	-	-	-	-
Jamestown CAA AP	SNOWFALL	0.2	T		2.2	T	T	0.4	T	T	T		T	0.1	0.8	T	T	T	T	T	0.1	T			0.3	8.2	T	T	0.4	T	T	T
	SN ON GND	T	T	T	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	T	T	T	8	8	8	8	8	8	8
Langdon Exp Farm	SNOWFALL	1.0			0.5				0.2			T	T		0.6				0.8							0.4					0.2	
	SN ON GND	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Linton	SNOWFALL				1.5	0.2		T						0.5	T			0.3								5.0			1.0	1.2	T	
	SN ON GND	1	1	1	3	3	3	3	3	3	3	2	2	3	3	3	3	3	2	2	2	2	1	1	1	6	6	6	7	7	7	7
Marmarth	SNOWFALL	T			2.0										T										0.4		T			T	0.5	
	SN ON GND				2	2	2	2	2	1	T				T										T	T	T	T	T	T	T	T
Mayville	SNOWFALL	T			1.0	1.3	1.4	T			T	T	0.3		1.4				1.7	T						0.5			T	T		
	SN ON GND	1	1	1	2	3	4	4	3	3	3	3	3	3	4	4	4	4	5	5	4	4	3	3	3	3	3	3	3	3	3	
Mc Clusky	SNOWFALL				1.5									0.3						0.2						9.0			0.4			
	SN ON GND	9	9	9	10	10	10	10	9	9	8	8	7	7	7	6	6	6	6	6	4	4	2	2	2	11	11	11	11	11	11	11
Medora T R N M P	SNOWFALL	T			2.1								1.1		T	T	T		T						0.3	0.8	0.2		T	T		0.2
	SN ON GND	T	T	T	2	2	2	2	2	1	T	T	1	1	1	1	1	1	1	1	1	1	T	T	T	1	1	1	1	1	1	1
Minot CAA AP	SNOWFALL	0.4	T	T	0.9	T	T	0.1	T	0.1			T	0.4	0.1	T	T	0.1	T	T	T	T			1.2	3.8	T	T	0.3	0.1	0.1	T
	SN ON GND	1	1	1	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2		1	1	6	6	6	6	6	5	5
Mohall	SNOWFALL	2.0			2.0			T						T				T	0.3							5.0	T		T	0.1	1.1	T
	SN ON GND	3	3	3	5	5	5	5	5	5	4	3	3	3	3	3	3	3	3	3	3	3	2	1	1	6	6	6	6	6	7	7
Mott	SNOWFALL				1.7								0.5													0.5						0.4
	SN ON GND	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	2	2	2	2	2
Napoleon 1 5E	SNOWFALL				0.6	T		0.2	T		0.1		0.1	T						0.2						5.0			0.6	T	0.2	
	SN ON GND	T	T	T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T	T	T	5	5	5	5	5	5	5
Parshall	SNOWFALL	0.1			0.5									T	0.4		T									5.0			0.4	T	T	T
	SN ON GND	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	7	7	7	7	7	7	7
Pembina 2 N	SNOWFALL											1.0		2.0		0.4		T	0.5		T											T
	SN ON GND	-	-	-	-	-	-	-	-	-	-	2	2	4	4	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Petersburg	SNOWFALL				1.2			T						0.9	0.7				0.8							1.4				T	0.4	T
	SN ON GND	2	2	2	3	3	3	3	3	3	3	3	3	4	5	5	5	5	6	6	6	6	5	5	4	5	5	5	5	5	5	5
Pettibone	SNOWFALL	T			0.5	0.5				0.2				0.2	0.3			T		T	0.2					8.0	1.0					
	SN ON GND	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	2	2	10	11	11	11	11	11	11
Portal	SNOWFALL	4.0			1.0	T								T	1.0				T	T						3.0			T			1.0
	SN ON GND	4	4	4	5	5	5	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5	4	3	3	6	6	6	6	6	6	7
Richardton Abbey	SNOWFALL	T			1.6			T		T			T	0.5	T		0.2			T				T	1.2	0.2		1.1	0.1		T
	SN ON GND	4	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	3	2	2	2	3	3	3	4	4	4	4
Riverdale	SNOWFALL	-			-			T	T	T	T		T	-	-			-	T	T		T			-	-	T		-	-	-	
	SN ON GND	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	8	8	8	8
Rolla	SNOWFALL	3.1			0.5			T		T			T	T	0.5				1.0	T	T					1.1					T	0.5
	SN ON GND	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	8	8	8	9	9	9	9	9	9	10

See reference notes following Station Index.

Table 7-Continued

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
DECEMBER 1950

Station		Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Rugby	SNOWFALL	1.8	T		1.4	0.6	T	T	T	0.5					0.2			T	0.5	0.5		T				6.5	T		T	T		T
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sharon	SNOWFALL	T			1.0	T	1.0	0.1				T	0.3	T	0.5				2.5			T				2.0						
	SN ON GND	T	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	4	4	3	5	5	5	5	5	5	5
Stanley	SNOWFALL	4.0		-																						8.0			T	0.6	0.9	0.5
	SN ON GND	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	10	10	10	10	10	11	11
Steele	SNOWFALL				1.5		T			T	0.2								T	T	T					10.0			0.1	T		
	SN ON GND	-	-	-	5	5	5	5	5	5	-	-	-	-	-	-	5	-	-	-	-	-	3	2	2	12	12	12	12	12	12	12
Upham Wildlife Ref	SNOWFALL	4.0			0.5				T					T	0.6		T	T	T	T	T				4.0	T			T	T	0.5
	SN ON GND	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	10	10	10	10	10	10	11
Velva	SNOWFALL	0.5			1.5		T	T	T	T				0.5	0.5	T		T	T	0.5						4.5	T	T	0.5	T		T
	SN ON GND	3	3	3	4	4	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3	7	7	7	8	7	7	7
Wahpeton St School	SNOWFALL		2.0		0.5		2.5					0.5			1.2				1.5	T						4.0	1.5				0.5	
	SN ON GND		2	2	2	2	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	5	5	4	4	8	10	10	10	10	10	9
Watford City	SNOWFALL				1.2								1.7													1.2	2.3					
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Williston WB City	SNOWFALL	1.2	T	T	0.7	T	T	T	T	T			0.3	0.1	T	T	0.2	T	T	T	T				1.6	0.9	T	T	T	T	0.1	0.4
	SN ON GND	2	2	2	3	3	3	3	2	2	2	1	1	1	1	1	2	2	2	2	2	1	1	T	1	3	3	3	3	2	3	3

See reference notes following Station Index.

Table 2

CLIMATOLOGICAL DATA

Station	Temperature									Precipitation									
								No. of days						Snow, Sleet, Hail			No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Degree days	Max 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground at obsn.	Date	.01 or more	.25 or more	1.00 or more
June 1950																			
EASTERN DIVISION																			
Cavalier Power Plant	63.8	1.2	92	14+	36	3	105	3	0	3.72	.64	1.28	25	.0	0		11	4	1
Petersburg	62.4		91	22	34	3	121	2	0	3.28	- .22	1.35	25	T	0		12	4	1
August 1950																			
EASTERN DIVISION																			
Liebon	64.0	-3.8	95	9	32	20		0	1										
September 1950																			
MIDDLE DIVISION																			
Maddock Agr School	57.4	.5	92	5+	33	14	256	2	0	2.39	.73	1.23	10	T	0		8	3	1
October 1950																			
EASTERN DIVISION																			
Munich 4 SW	43.7		74	30	21	25	653	0	18	.61		.46	2	3.0	3	2	5	1	0

DAILY PRECIPITATION

Table 3

Station	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
June 1950																																
Ambrose							.03	2.04	T						.51	.50					.01	.02			.88							3.99
Cavalier Power Pl	.01	T					T	.15	.05						.68	.20	T		T	.10	T	.32			1.28	.74	.10	.08	T			3.72
Greenbrier		.28	1.04					T	T	.82										.56	.64						.35	.10				3.78
Petersburg	T							.10	.16	.06		.05	.26		.59	.06			.07	.11		.07		.40	1.35			T				3.28
July 1950																																
Alexander R R Sta.		.06				.04			T	.15		.02			.12		T												.21	.25		.85
Ryder	.17							.10			.10				.05			.15			.35	.25										1.17
Verona		.10															.35				.08			.08								.58
Bowbells 5 E	T	.15				T	.12			.08	.04	T	T	.06	.17	.07	T		.01	T		T		T					.49	.01		1.20
Oakes		.57					.12	.10						.04	.02	.96				.03									.05	.01		1.90
August 1950																																
Bowbells 5 E					.11				.08			1.89	T				.22			T			.17	T	.10	.01						2.58
September 1950																																
Maddock Agr School									.09	1.23			.01		.04	.04		.64									.08			.26		2.39
Walhalla									.42	1.83	.45	.01	.18	T			.02										.42	.08		.28		3.87
October 1950																																
Munich 4 SW		.48			.02	.08	.03		T				.02	T							T											.81

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
June 1950																																
Cavalier Power Pl	MAX	69	67	76	89	89	90	88	70	67	80	86	86	86	92	81	66	67	75	83	75	79	92	82	75	64	71	80	69	71	80		78.2
	MIN	39	39	36	61	58	45	46	53	42	45	44	57	55	56	57	46	42	45	63	44	48	60	56	51	51	48	55	49	50	42		49.4
Petersburg	MAX	71	63	73	83	77	90	77	67	61	66	83	82	82	85	81	65	58	70	80	68	84	91	80	71	66	71	79	69	75	79		74.9
	MIN	46	40	34	50	57	50	51	54	44	49	47	59	56	59	54	45	44	43	55	45	49	60	56	51	49	48	57	49	51	45		49.9
August 1950																																
Lisbon	MAX	74	74	81	85	84	84	88	92	95	87	80	73	81	76	90	87	89	71	82	68	79	70	86	71	63							80.4
	MIN	52	46	43	48	50	50	60	55	53	55	53	50	55	57	55	54	43	34	39	32	45	41	42	45	33							47.6
September 1950																																
Maddock Agr School	MAX	85	89	79	84	92	92	87	74	63	47	55	57	63	64	57	57	72	71	76	71	70	75	66	81	81	81	73	61	53	46		70.7
	MIN	47	50	45	46	58	59	55	39	47	45	42	36	40	33	44	37	43	46	41	53	35	47	38	44	45	63	45	37	34	37		44.0
October 1950																																
Munich 4 SW	MAX	45	39	44	53	55	53	51	55	65	58	64	65	53	54	57	54	64	59	47	52	42	40	51	45	55	69	59	64	69	74	58	55.3
	MIN	34	29	22	24	37	42	34	42	40	30	36	31	36	29	32	29	31	31	36	36	31	24	27	26	21	29	26	40	31	42	37	32.1

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Adams 7 S	0022	Walsh	10	48 20	98 06			6P	Myron J. Bata	3
Alexander RR Station	0096	McKenzie	13	47 50	103 38	1200		6P	Arthur J. Bauman	3
Almont 7 SW	0136	Morton	4	46 43	101 39	2300	7P	7P	Bogan Ramsland	2 3 5 7
Alpha 1 S	0149	GoldenValley	7	46 37	103 49			7P	B. A. Burr	3
Ambrose	0189	Divide	12	48 58	103 28	2060		6P	Ronald L. Baneon	3
Amenia	0196	Cass	11	47 00	97 13	980	8S	8S	Virgil L. Gebeke	2 3 5 7
Amidon	0209	Slope	1	46 30	103 19	2910	8A	8A	Tafield Zundel	2 3 4 5
Antler	0263	Bottineau	12	48 58	101 20	1540			W. H. Wegner	3 4
Arvilla State Park	0369	Grand Forks	10	47 56	97 30	960	6P	6P	Albert Thoren	2 3 5
Ashley	0322	McIntosh	8	46 02	99 22	2025	8A	8A	Soo Line Agent	2 3 4 5 7
Baldhill Dam	0450	Barnes	11	47 02	88 05	1300	8A	8A	F. A. Johnson	2 3 5
Balfour	0492	McHenry	12	47 57	100 32	1615		M10	Raymond S. Weller	3 4
Balta	0500	Pierce	11	48 10	100 02			6P	Nick Schaan	3
Bantry	0516	McHenry	12	48 30	100 36			6P	Temple K. Roberts	3
Beach	0590	GoldenValley	7	46 55	104 01	2814	6A	6A	Luther F. Hodgin	2 3 4 5 7
Belcourt Indian Res.	0628	Rolette	9	48 50	99 45	1960	7P	7P	Turtle Mt. Ind. Ag.	2 3 4 5
Belfield	0639	Stark	4	46 52	103 11	2592	7P	7P	Carl Indergaard	2 3 5
Berthold	0729	Ward	12	48 19	101 44	2080		6P	Joseph S. Cox	3
Beulah	0766	Mercer	6	47 16	101 47	1780		7P	Knife Riv. Coal Co.	3 4
Biabee	0796	Towner	2	48 37	99 22	1600	6P	6P	Robert J. Krick	2 3 5
Bismarck WB City	0814	Burleigh	8	46 48	100 48	1670	5P	5P	U.S.Weather Bureau	2 3 5
Bismarck WB Airport	0819	Burleigh	8	46 46	100 45	1650	M1D	M1D	U.S.Weather Bureau	2 3 4 5 7
Bottineau	0941	Bottineau	12	48 50	100 27	1638	8A	8A	N.D. Schl of Frstry	2 3 5
Dowbells	0961	Burke	12	48 48	102 15	1953	8A	8A	Felix L. Adams	2 3 5 7
Bowman Court House	0895	Bowman	3	46 11	103 23	2872	5P	5P	D. B. Hook	2 3 4 5
Breien	1052	Morton	1	46 24	100 57	1720		M1D	Frank E. Potter	3 4
Hutte	1225	McLean	12	47 50	100 40	1880	5P	5P	Art F. Peterson	2 3 5
Cando	1288	Towner	2	48 29	99 12				Harry S. Harris	3 4
Carrington	1360	Foster	5	47 27	99 08	1579	7A	7A	Soo Line Agent	2 3 5
Carson	1365	Grant	4	46 25	101 34	2300		M1D	Vincent Muggli	3 4
Carson 2 SW	1370	Grant	4	46 23	101 35	2500	7P	7P	J. W. Evens	2 3 5 7
Cavalier	1435	Pembina	9	48 48	97 38	894	5P	5P	T. M. Thorsteinson	2 3 5
Center	1458	Oliver	8	47 07	101 18	2100	7P	7P	Fred L. Heinz	2 3 5 7
Colgate	1686	Steele	10	47 14	97 39	1180		6P	John P. Burchill	3
Columbus	1696	Burke	12	48 54	102 47	1930		6P	J. D. Sundell	3
Cooperstown	1766	Griggs	11	47 26	98 07	1428	5P	5P	R. J. Lockner	2 3 5
Courtenay	1816	Stutsman	5	47 13	88 34	1523		6A	G. H. Ramawalt	3
Crosby	1471	Divide	12	48 54	103 18	1954	7A	7A	Vernon V. Nichols	2 3 4 5 7
Dawson	2018	Kidder	8	46 52	99 45	1730		M1D	Ralph W. Wise	3 4
Devils Lake WB City	2158	Ramsey	2	48 07	98 52	1471	M1D	M1D	U.S.Weather Bureau	2 3 4 5 7
Dickinson CAA AP	2183	Stark	4	46 48	102 48	2587	M1D	M1D	U.S.Civil Aero Adm	2 3 4 5 7
Dickinson Exp. Station	2186	Stark	4	46 53	102 48	2460	7A	7A	Leroy Moomaw	2 3 5 6
Donnybrook	2242	Ward	12	48 31	101 53	1760		6P	William Bowman	3
Drake	2298	McHenry	12	47 55	100 22	1634	8P	8P	Paul Kuntz	2 3 5
Dunn Center	2365	Dunn	6	47 21	102 37	2191	6A	6A	Charles C. Neustel	2 3 5 7
Dunseith St. Sanitarium	2385	Rolette	12	48 50	100 02	2001	5P	5P	N. D. State Hospital	2 3 5
Eckman	2472	Bottineau	12	48 39	101 03	1500	7A	7A	E. R. Sherman	2 3 5
Edgeley Exp. Farm	2482	La Moure	5	46 20	98 42	1568	8A	8A	N.D. Agri. Exp. Sta.	2 3 4 5 6 7
Edmore 1 W	2525	Ramsey	2	48 25	98 29	1524	8P	8P	Mike Davis	2 3 5
Elbowoods	2570	McLean	8	47 35	102 09	2082	6P	6P	H. W. Case	2 3 5
Elgin 5 S	2592	Grant	1	46 21	101 49			6P	Art A. Eslinger	3
Ellendale	2605	Dickey	5	46 00	98 31	1460	8P	8P	Paul Gress	2 3 5 7
Epping	2735	Williams	8	48 18	103 21	2224	6P	6P	T. Beachler	2 3 5
Esmond	2767	Denson	11	48 02	99 46	1650		M1D	Lyle D. Fering	3 4
Fairfield 8 N	2809	Billings	7	47 19	103 12	2650		6P	Wre. Edith Larson	3
Fargo WB Airport	2859	Cass	10	46 54	96 48	895	M1D	M1D	U S Weather Bureau	2 3 4 5 7
Fessenden	2949	Wells	5	47 39	99 37	1610	6P	6P	John V. Zuher	2 3 5 7
Flasher	3009	Morton	1	46 27	101 14	1930		8A	George M. Hinclair	3
Flaxton	3019	Burke	12	48 54	102 23	1940		6P	Palmer M. Dunham	3
Forman	3117	Sargent	10	46 06	97 38	1249	6P	8P	Art Waterman	2 3 5 7
Fort Yates	3207	Sioux	8	46 06	100 38	1640	8E	HS	Stand Rk Indian Agy	2 3 4 5 7
Foxholm Wildlife Refuge	3217	Ward	12	48 27	101 33	1609	5P	5P	U S Wildlife Refuge	2 3 5
Fryburg	3277	Billinge	4	48 53	103 18	2790		7A	Herman J. May	3 4
Fullerton	3287	Dickey	5	46 10	98 25	1439	6P	6P	F. O. Alin	2 3 5
Gackle	3309	Logan	5	46 38	99 08	1951	6P	6P	Alvil Rummel	2 3 5
Garrison	3376	McLean	8	47 39	101 25	1911	M1D	M1D	Albert J. Beirele	2 3 4 5
Gladstone 22 N	3446	Dunn	6	47 11	102 39				Richard Bailey	3 4
Glen Ullin	3496	Morton	4	46 49	101 49	2090		M1D	Frederick J. Anhorn	3 4
Golva 1 SE	3556	GoldenValley	7	46 47	103 57	2780		7P	U.S.Civil Aero Adm	3 4
Grafton State School	3594	Walsh	10	48 25	97 26	827	5P	5P	Dr. J. C. Lamont	2 3 5 7
Grand Forks CAA AP	3616	Grand Forks	10	47 56	97 05	834	M1D	M1D	U S Civil Aero Adm	2 3 4 5 7
Grand Forks University	3621	Grand Forks	10	47 55	97 05	830	M1D	7P	University of N. D.	2 3 5
Grano	3676	Renville	12	48 37	101 35	1625		M1D	Oswald H. Ejornlie	3 4
Granville	3686	McHenry	12	48 16	100 51	1504	7P	7P	Fred Roble	2 3 5
Grassy Butte	3696	McKenzie	7	47 24	103 14	2660			Sam Cbarchenko	3 4
Grenora	3736	Williams	8	48 37	103 56	2114	5P	5P	L. D. Nielson	2 3 5
Haley	3836	Bowman	3	48 58	103 08				J. E. Crawford	3 4
Halliday	3846	Dunn	6	47 21	102 20	2073		6P	John Kisse	3 4
Sanklnson RR Station	3908	Richland	10	46 04	96 54	1068	7A	7A	Soo Line Agent	2 3 5
Hannaford	3926	Griggs	11	47 18	98 12	1428		M1D	Helen Benson	3 4
Hannah	3936	Cawalier	9	48 59	98 41	1570	6P	8P	D S Customs Office	2 3 5
Hansboro	3963	Towner	9	48 57	99 23	1597	7P	7P	W. E. Disher	2 3 5
Harvey Water Works	4013	Wells	11	47 45	99 53	1596		6P	E. J. Reynolds	3
Haynes 6 NE	4073	Adams	1	46 01	102 24	2640		M1D	Byron H. Hohb	3 4
Hazelton RR Station	4083	Emmons	8	46 29	100 17	1978		M1D	Ephraln Zacber	3 4
Hettinger	4178	Adams	3	46 00	102 38	2680	6A	6A	Gerhard Christianson	2 3 4 5 7
Hillsboro	4203	Traill	10	47 24	97 04	901	6P	6P	Alfred Jabnke	2 3 5
Hurdsfield	4343	Wells	5	47 27	99 55	1915		M1D	Mrs. Ruth Huchwitz	3 4
Jamestown CAA AP	4413	Stutsman	5	46 55	98 41	1497	M1D	M1D	U S Civil Aero Adm	2 3 4 5 7
Jamestown State Hospital	4418	Stutsman	5	48 53	98 40	1457	7P	7P	N.D. State Hospital	2 3 5
Kenmare	4646	Ward	12	48 40	102 05	180D	8A	8A	Theo S. Eckberg	2 3 4 5
Kensal Wildlife Refuge	4656	Stutsman	5	47 15	98 52	1440	7P	7P	D B Wildlife Refuge	2 3 5
Killdeer 8 NW	4726	Dunn	7	47 26	102 53	2240		7A	Leonard J. Davis	3
Kramer 5 SE	4823	Bottineau	12	48 39	100 37			M1D	Paul A. Kretschmar	3 4
La Moure	4937	La Moure	5	46 21	98 18	1382	7P	7P	CLOSED - - - - -	10-24-50
Langdon Exp. Farm	4958	Cavalier	9	48 45	98 21	1615	5P	5P	V. Sturlaugson	2 3 5 7
Lansford	5002	Bottineau	12	48 38	101 22	1600		6P	C. L. McKeen	3
Larimore	5013	Grand Forks	10	47 54	97 38	1134	5P	5P	Bennie Engen	2 3 5
Leeds	5078	Benson	2	48 17	99 26	1515	7P	7P	John Fager	2 3 5
Lefor 10 S	5088	Stark	4	46 38	102 21	2580		5P	Josepb Link	3
Linton	5210	Emmons	8	46 18	100 14	1711	8P	8P	William Beyerman	2 3 5 7
Lisbon	5220	Ransom	11	46 26	97 41	1091	7A	7A	Robert M. Jodsaas	2 3 5 7
Maddock Agri. Hchool	5434	Benson	11	47 58	99 30	1604	6P	6P	Benson Cy Agr Schl	2 3 5
Mandan Exp. Station	5479	Morton	4	46 48	100 54	1750	8A	8A	No G.P. Field Sta.	2 3 4 5 6
Mandan Ft. Lincoln Park	5494	Morton	8	46 47	100 52	1700	6P	6P	Park Supt.	2 3 5
Manning	5519	Dunn	6	47 14	102 46			6P	CLOSED - - - - -	4/1/50
Marmarth	5573	Slope	7	46 18	103 55	2714	6P	6P	S. P. Grane	2 3 5 7
Marmarth M D U Co.	5575	Slope	7	46 18	103 55	2710			E. H. Jestnes	3 4
Martin	5610	Sheridan	11	47 50	100 07	1610		6P	John W. Magnuson	3
Max	5638	McLean	8	47 49	101 17	2093	7A	7A	Soo Line Agent	2 3 5
Mayville	5660	Traill	10	47 30	97 19	975	6P	6P	H. A. Ragaz	2 3 5 7
McClusky	5710	Sheridan	8	47 29	100 29	1943	6P	6P	Elmer L. Schielke	2 3 5 7
McGregor RR Station	5720	Williams	8	48 36	102 56			M1D	Hartvin Hermanson	3 4
McHenry 5 N	5730	Eddy	11	47 38	98 35	1509	8P	8P	C. E. Blaeky	2 3 5 7
McLeod 3 E	5754	Richland	11	46 24	97 14	1075	7P	7P	J. G. Carlson	2 3 5
McVille	5764	Nelson	10	47 46	98 11	1467		6P	H. H. Kolefel	3
Medina 1 W	5798	Stutsman	8	46 53	99 19			6P	Rudolph Graf	3
Medora TRNMP	5813	Billings	7	46 58	103 30	2250	5P	5P	U S Forest Service	2 3 5 7
Melville	5833	Foster	5	47 20	99 02	1625		M1D	Edgar H. Btegmeler	3 4
Minot CAA AP	5988	Ward	12	48 15	101 17	1724	M1D	M1D	U S Civil Aero Adm	2 3 4 5 7
Minot Exp. Farm	5993	Ward	12	48 10	101 18	1720	6P	6P	N C Agri Exp Sta	2 3 5
Moffit RR Station	6015	Burleigh	8	48 41	100 18	1760		9A	Soo Line Agent	3
Mohall	6025	Renville	12	48 46	101 31	1639	9P	9P	Iver Johnson	2 3 5 7
Montpelier	6105	Stutsman	5	48 42	98 35			8A	Rolf Hanson	3
Mott	6155	Hettinger	1	46 23	102 20	2420	8H	HE	Forrest E. Coffing	2 3 4 5 7

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Munich 4 SW	6195	Cavalier	2	48 38	98 53	1598	7P	7P	Harold Feldner	2 3 5
Napoleon 1 8S	6255	Logan	8	46 29	99 45	1955	7P	7P	Gladys J. Peterson	2 3 4 5 7
New England	6315	Hettinger	1	46 33	102 52	2621	5P	5P	Adna S. Hatch	2 3 5
New Rockford	6350	Eddy	5	47 41	99 08	1852		8H	CLOSED - - - - - - - -	10-23-50
New Rockford 7 WNW	6355	Eddy	5	47 33	99 16	1550		6P	Richard Steinbach	3
New Salem 1 S	6365	Morton	4	46 50	101 25	2163	6P	6P	William F. Gaebe	2 3 5
Noonan	6455	Divide	12	48 53	103 01	1960		6P	George Kostek	3 5
Northgate	6535	Burke	12	49 00	102 16	1850			U S Customs Station	3 4
Oakes	6620	Dickey	5	46 08	98 05	1320	8A	8A	C. M. Hagen	2 3 4 5
Park River	6857	Walsh	10	48 23	97 45	998	5P	5P	Martin Severeon	2 3 5
Parshall	6867	Mountrail	8	47 57	102 08	1929	6P	6P	C. E. Shubert	2 3 5 7
Pembina 2 N	6947	Pembina	10	49 00	97 14	790	7A	7A	U.S.Customs & Immig.	2 3 4 5 7
Petersburg	7027	Nelson	10	48 01	98 00	1524	5P	5P	Rev. Odean Moneon	2 3 5 7
Pettibone	7047	Kidder	8	47 07	99 31	1860	7P	7P	L. H. Dethloff	2 3 5 7
Portal	7201	Burke	12	49 00	102 33	1954	9A	9A	U S Customs Ser.	2 3 5 7
Powers Lake 1 N	7281	Burke	8	48 34	102 38	2205	7P	7P	Herbert J. Clark	2 3 5 7
Pretty Rock	7311	Grant	1	46 11	101 51			6P	Freda Leer	3
Raub	7405	McLean	8	47 44	102 04			M1D	Alvin Larson	3 4
Reeder	7450	Adams	3	46 06	102 57	2810		6P	Henry A. Donner	3
Reeder 14 N	7452	Slope	1	46 19	102 57	2860		8A	Chas. M. Metzinger	3
Richardton Abbey	7530	Stark	4	46 53	102 19	2467	5P	5P	Assumption Abbey	2 3 4 5 7
Riverdale	7535	McLean	8	47 30	101 21	1910	5P	5P	Corps of Engineers	2 3 4 5 6 7
Rolette	7655	Rolette	12	48 40	99 50	1625	M1D	M1D	George F. Gehres	3 4
Rolla	7664	Rolette	9	48 52	99 37	1860	7P	7P	Theo E. Fagerlund	2 3 5 7
Rugby	7704	Pierce	12	48 22	100 00	1560	6P	6P	Frank Hornstein	2 3 5 7
Ryder	7749	Ward	8	47 55	101 40	2108		9A	S. C. Schellenhaum	3 4
Sanish	7834	Mountrail	8	47 59	102 32	1335	7A	7A	H. J. Bugge	2 3 5
Sarles	7844	Cavalier	8	48 57	99 00	1585		M1D	Clarence J. Olson	3 4
Selfridge 11 W	7952	Sioux	8	46 01	101 10	2133		7P	L. E. Wilson	3
Sharon	7986	Steele	10	47 36	97 54	1516	8P	8P	Hugh Lyon	2 3 5 7
Sherwood	8047	Renville	12	49 00	101 38	1647		6P	U S Customs Service	3
Sheyenne	8057	Eddy	11	47 50	99 07	1500		M1D	Pehr A. Peterson	3 4
Shield	8065	Grant	1	46 14	101 07			6P	Edwin D. Carlson	3
Stanley	8276	Mountrail	8	48 19	102 24	2260	7P	7P	Leroy Edwards	2 3 4 5 7
Steele	8366	Kidder	8	46 51	99 55	1857	8P	8P	Leon V. Lesher	2 3 5 7
Tagus	8627	Mountrail	12	48 20	101 56	2179		6P	George N. Pilgard	3
Tioga	8737	Williams	8	48 24	102 56	2279		8P	L. A. Simon	3
Tolley 4 NE	8764	Renville	12	48 46	101 47			6P	Carmie Nelson	3
Towner	8792	McHenry	12	48 21	100 24	1482	7P	7P	August D. Rieder	2 3 5
Trotters	8807	GoldenValley	13	47 20	103 54	2420		5P	Walter Grunewald	3
Trotters 3 S	8812	GoldenValley	13	47 17	103 54	2420		M1D	John O. Nellermoe	3 4
Turtle Lake	8840	McLean	8	47 31	100 53	1899	9A	7P	Art Kiungtvedt	2 3 5
Tuttle 8 SW	8850	Kidder	8	47 02	100 04	1936		8P	Adam Leno	3
Underwood 12 W	8877	McLean	8	47 26	101 24	1750	6P	6P	Mrs. F. W. Mattoon	2 3 5
Upham Wildlife Refuge	8913	McHenry	12	48 37	100 44	1425	5P	5P	U S Wildlife Refuge	2 3 5 7
Valley City	8937	Barnes	11	46 55	98 00	1229	6P	6P	Miss I.C.Robertson	2 3 5
Van Rook	8970	Mountrail	8	47 57	102 21	1864	9P	9P	Erwin A. Ventsch	2 3 5
Velva	8990	McHenry	12	48 03	100 55	1511	6P	6P	Oscar Anderson	2 3 5 7
Verona	9035	La Moure	5	46 22	98 04			10A	Louis J. Frandson	3
Wahpeton Power Plant	9095	Richland	10	46 17	96 36	962		M1D	Victor Hurton	3 4
Wahpeton State School	9100	Richland	10	46 16	96 36	962	5P	5P	St Bch of Science	2 3 5 7
Walhalla	9135	Pembina	9	48 56	97 54	950		7P	Joseph A. Wenler	3
Washburn	9195	McLean	8	47 17	101 02	1731	6P	9P	Fred F. Jefferis	2 3 5
Washburn Water Works	9205	McLean	8	47 17	101 02	1730			Washburn Water Wks	3 4
Watauga 8 N, S. Dak.	9219	Grant	1	46 02	101 34			6P	John C. Spicer	3
Watford City	9233	McKenzie	8	47 48	103 17	2084	8P	8P	J. C. Zeller	2 3 5 7
Westhope	9333	Bottineau	12	48 55	101 01	1504	6P	6P	Rev. R. Carey	2 3 5
Wildrose	9400	Williams	8	48 38	103 10	2258		9P	Jonathan Winkjer	3
Williston WB City	9425	Williams	8	48 09	103 35	1877	M1D	M1D	U S Weather Bureau	2 3 4 5 7
Willow City	9445	Bottineau	12	48 36	100 17	1471	8P	8P	O. M. Sanderson	2 3 5
Wilton RR Station	9455	McLean	8	47 09	100 48	2159	8A	8A	Soo Line Agent	2 3 5
Wishek	9515	McIntosh	8	46 16	99 34	2010	8A	8A	H. M. Larson	2 3 5
Zahl	9635	Williams	8	48 34	103 41	2000		6P	Ola Severtsen	3

NEW STATIONS

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Observation time: Temp.	Observation time: Precip.	Observer	Refer to tables
Dowbells 5 E	0966	Ward	12	48 47	102 08	1925	8A	8A	Development Farm	2 3 5 6 7
Glen Ullin 18 N	3501	Mercer	6	47 04	101 47			6P	Adam M. Keler	3
Golden Valley 10 S	3529	Mercer	6	47 10	102 03			6P	Robert H. Backfisch	3
Grassy Butte 10 N	3701	McKenzie	7	47 31	103 14			6P	Edsel G. Crist	3
Keene	4571	McKenzie	8	48 00	102 55			6P	Ronald W. Lund	3
Watford City 11 E	9238	McKenzie	8	47 47	103 02			M1D	Ida Peterson	3 4
Grand Rapids 1 N	3665	La Moure	5	48 29	98 21	1360	6P	6P	Albert J. Nens	2 3 5

‡ Drainage Code: 1. Cannonball 2. Devile Lake 3. Grand 4. Heart 5. James 6. Knife 7. Little Missouri 8. Missouri 9. Pembina 10. Red 11. Sheyenne 12. Snuris 13. Yellowstone

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, S, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 1830 CST.

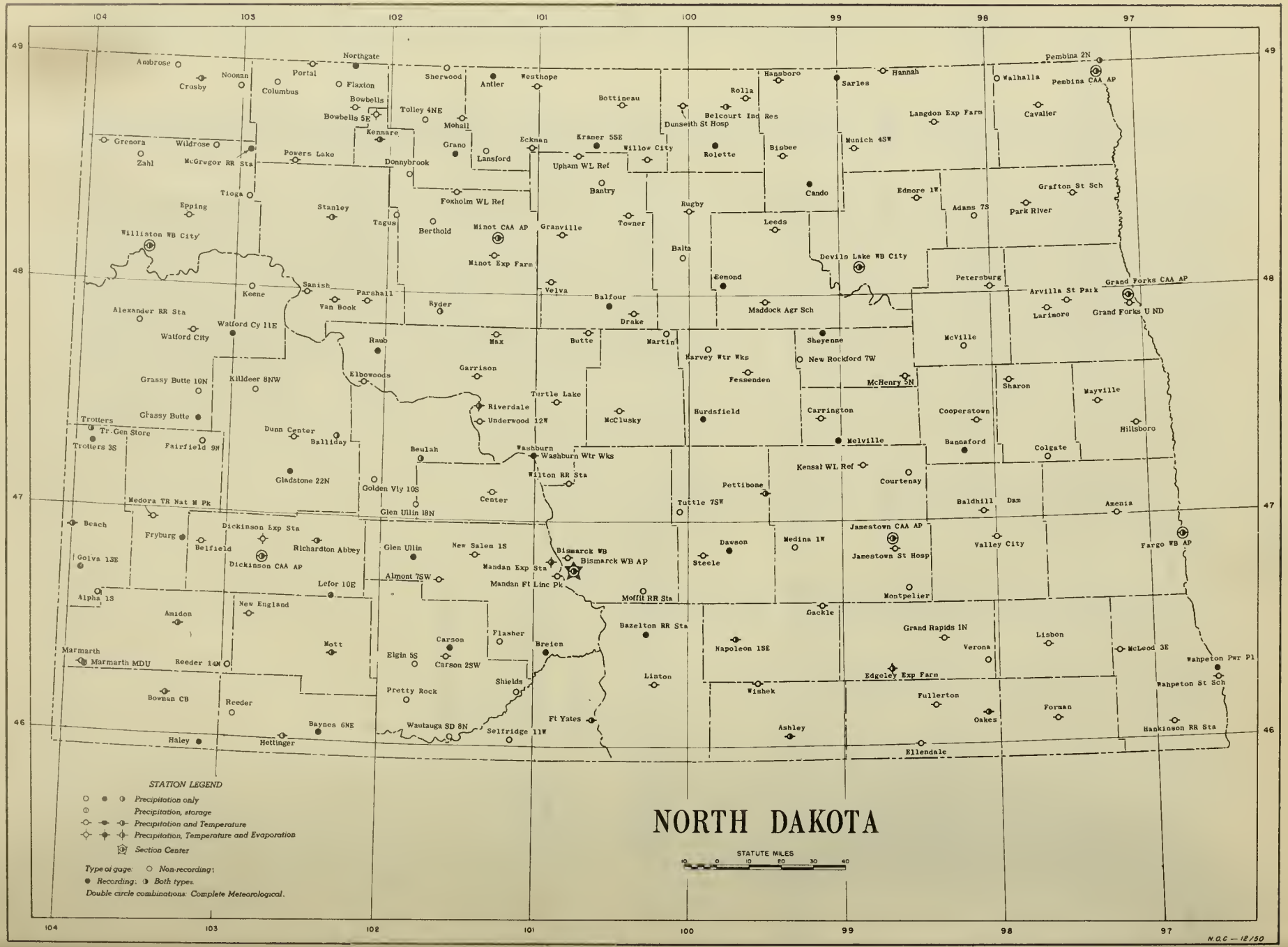
-	No record in Tables 3, 4, 5, 7, and the Station Index. No record in Tables 2 and S is indicated by no entry. When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
+	And also on a later date or dates.
*	Amount included in following measurement, time distribution unknown.
//	Gage is equipped with a windshield.
6	Station not equipped with a recording gage. See Table 4 for 6-hourly measured amounts.
B	Adjusted to a full month.
E	Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	One or more days of record missing; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.
R	Daily values and monthly total from recording gage. All other data in Table 3 are from non-recording gages.
T	Trace, an amount too small to measure.
V	Includes total for previous month.
SS	This entry in time of observation column in Station Index means observation made near sunset.

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CORRECTIONS

Annual 1948,	Table 1, Williston WB City, Annual mean temperature should be 41.2 and departure 1.9.
December 1949,	Table 2, La Moure, total precipitation should be .56, greatest day should be .38 on 12th, no. of days .25 or more should be 1.
	Table 3, La Moure, 24th day should be .12, and total .56.
	Table 3, Moffitt R R Station, 11th day should be .35, 12th day should be .15, and total should be .57.
June 1950,	Table 4, Pettibone, 30th, add .05 at 8P, .25 at 9P, .02 at 10P, .02 at 11P, .01 at Mid., and .35 total.
July 1950,	Table 3, The second Ft. Yates should have an "R" after it.
	Table 3, Oakes "R", delete dashes on 1st, 2nd, and 3rd, and add .57 on 2nd, and total of 1.90.
	Table 4, delete dashes on 1st and 3rd and add on 2nd .03 at 6P, .12 at 7P, .41 at 8P, .01 at 9P, and total .57.

W.B.O., Kansas City, Mo. -- 2-20-51 -- 1070


NORTH DAKOTA
STATION LEGEND
Precipitation only
Precipitation, storage
Precipitation and Temperature
Precipitation, Temperature and Evaporation
Section Center
Type of gage: ○ Non-recording;
● Recording; ◑ Both types.
Double circle combinations: Complete Meteorological.
STATUTE MILES
10 0 10 20 30 40
N.O.C — 12/50
Ambrose
Crosby
Noonan
Columbus
Portal
Northgate
Flaxton
Bowbells
Bowbells 5E
Kenmare
Grenora
Zahl
Wildrose
McGregor RR Sta
Powers Lake
Tioga
Epping
Stanley
Williston WB City
Alexander RR Sta
Watford City
Watford Cy 11E
Keene
Sanish
Parshall
Van Book
Grassy Butte 10N
Killdeer 8NW
Grassy Butte
Trotters
Tr. Gen Store
Trotters 3S
Fairfield 9N
Dunn Center
Balliday
Gladstone 22N
Medora TR Nat M Pk
Beach
Golva 13E
Alpha 1S
Fryburg
Dickinson Exp Sta
Belfield
Dickinson CAA AP
Richardton Abbey
Lefor 10E
Amidon
New England
Marmarth
Marmarth MDU
Reeder 14N
Bowman CB
Reeder
Haley
Hettinger
Baynes 6NE
Mott
Sherwood
Antler
Westhope
Tolley 4NE
Mohall
Grano
Lansford
Donnybrook
Foxholm WL Ref
Tagus
Berthold
Minot CAA AP
Minot Exp Farm
Granville
Sanish
Velva
Ryder
Raub
Max
Garrison
Elbowoods
Riverdale
Underwood 12W
Turtle Lake
Beulah
Washburn
Washburn Wtr Wks
Wilton RR Sta
Golden Vly 10S
Glen Ullin 18N
Glen Ullin
Almont 7SW
New Salem 1S
Mandan Exp Sta
Mandan Ft Linc Pk
Bismarck WB
Bismarck WB AP
Center
Carson
Carson 2SW
Elgin 5S
Flasher
Breien
Shields
Pretty Rock
Wautauga SD 8N
Selfridge 11W
Ft Yates
Eckman
Kramer 5SE
Willow City
Upham WL Ref
Bantry
Towner
Minot
Granville
Balta
Drake
Butte
Martin
Max
Bottineau
Rolla
Dunseith St Hosp
Belcourt Ind Res
Rolette
Bisbee
Cando
Rugby
Leeds
Devils Lake WB City
Edmore 1W
Adams 7S
Munich 4SW
Langdon Exp Farm
Cavalier
Pembina 2N
Pembina CAA AP
Walhalla
Hansboro
Hannah
Sarles
Grafton St Sch
Park River
Petersburg
Arvilla St Park
Grand Forks CAA AP
Grand Forks U ND
Larimore
Maddock Agr Sch
Edmond
Balfour
Sheyenne
McVille
Harvey Wtr Wks
New Rockford 7W
Fessenden
McHenry 5N
Sharon
Mayville
Hillsboro
Carrington
Cooperstown
Melville
Bannaford
Colgate
Hurdsfield
McClusky
Kensal WL Ref
Courtenay
Pettibone
Tuttle 7SW
Baldhill Dam
Amenia
Jamestown CAA AP
Jamestown St Hosp
Valley City
Fargo WB AP
Dawson
Steele
Medina 1W
Montpelier
Moffit RR Sta
Gackle
Bazelton RR Sta
Napoleon 1SE
Grand Rapids 1N
Verona
Lisbon
McLeod 3E
Wahpeton Pwr Pl
Wahpeton St Sch
Edgeley Exp Farm
Linton
Wishek
Fullerton
Oakes
Forman
Ashley
Hankinson RR Sta
Ellendale

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5913

Nat. Hist.

APR 28 1951

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APR 26 1951
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

NORTH DAKOTA

ANNUAL SUMMARY 1950

Volume LIX No. 13

NAT.
HIST.

KANSAS CITY: 1951

NORTH DAKOTA - 1950

F. J. Bavendick, Section Director - Bismarck

WEATHER SUMMARY

North Dakota had much unusual weather during 1950. Temperatures were below normal every month from January through August. It was the coolest year of record, with an average temperature of 35.7° which is 4.3° helow normal. The middle division was the coolest, with a mean temperature of 35.3°. The previous coolest year was 1893 with a mean temperature of 35.8°. Jamestown, with a temperature of 101°, was the only station that reported a reading ahove 100° during the year. The lowest temperature during the year was -51° at Elhowoods. The average precipitation for the state was 18.23 inches or 1.11 inches ahove normal. The precipitation averaged helow normal during the crop months, but considerahly ahove normal during the winter months. There were areas in all parts of the state, except in the middle Missouri Valley, the extreme southwest and extreme northwest areas, with precipitation over twenty inches. Crops were ahove average due to the cool summer weather even though the summer precipitation was slightly helow normal. Snowfall averaged 66.6 inches. This is more than twice the normal and the greatest amount in any year since records hegan.

January 1950 was the coldest January of record. Cold weather hegan on the first and there were no periods warm enough to melt any snow. Precipitation averaged more than twice the normal. Many stations reported more snowfall than in any previous January and, with wind velocities ahove average, hlizzard conditions prevailed on many days. Transportation was maintained with difficulty. Schools were closed at times.

February averaged only slightly helow normal for temperature and the precipitation was light. Very little melting occurred. At the close of the month there was 30 inches of snow on the ground in Kidder County and it tapered off to 2 inches in Golden Valley County. Much yard feeding of livestock was necessary due to the heavy snow cover. A few ranchers were getting short of feed hut livestock remained mostly in good condition. Some side roads were closed at times hut main highways remained open.

March was the 4th consecutive month with the temperature helow normal. Decemher 1935-March 1936 is the only period with the average temperature so low. Very little melting occurred during the winter and the accumulated snow was piled in huge drifts. Precipitation was ahove normal. A storm started on the 6th with rain and freezing rain. The accumulation of ice on communication and power lines resulted in over 10,000 telephone, telegraph and power line poles knocked down. Heaviest damage was in the southeast section of the state hut major damage occurred in nearly all sections except the extreme northwest corner. It was the worst sleet storm that had ever hit the state. Damage was over $1,000,000. Much yard feeding of livestock was necessary due to the heavy snow cover and several hundred head of cattle died, mostly in the southwest part of the state, during and after the heavy snowstorm near the close of the month. Cattle and sheep remained in fairly good condition except in local storm areas where feed shortages caused considerahle shrinkage.

April was an unfavorahle month. Cold weather and heavy snow almost stopped farm operations. Heavy snow cover, especially in the southwest and south portions, did not disappear until near the middle of the month. Then a week of warm weather caused rapid melting and the heavy runoff caused major floods on all streams except the Missouri and Souris Rivers. Many streams, especially in the southwest and northeast, exceeded all previous records for high water. Deep snow at the heginning of the month and later muddy roads made it extremely difficult for farmers to get additional feed supplies. As a result livestock did not fare very well. Calf and lamh losses were unusually heavy. The last week turned unseasonahly cold again, and there was heavy snow in some northern sections. There were a few widely scattered reports of seeding in the third week. Damage from floods ran into millions of dollars.

May continued cold and wet to make the season one of the latest ever experienced in North Dakota. Snowfall in the first ten days was more than twice the previous high. Heavy precipitation in the eastern division resulted in the most unusual circumstance of floods in the northeast section, with new crests in the second week exceeding those recorded in April. At Grand Forks the crest in May was nearly two feet higher than in April. These flood conditions continued almost the entire month from Grand Forks northward. Although warm weather set in ahout the 10th, it wasn't until after the 20th that field work got started.

June was a favorahle month. Dry sunny weather was especially welcome in the east where it had been extremely wet. Moisture deficiencies hegan to show up in the southern parts of the state and crops hegan to take on a spotty appearance. Some damage hy frost was noted on the third when the temperature at Minot dropped to 25°. Some soil hlowing occurred early in June hut was not serious.

July with cool weather and adequate moisture was heneficial to late crops. Ahundant moisture in the north portion developed heavy stands hut crops were entirely green at the end of the month, while the southern half developed more rapidly with warmer and drier weather. Scattered reports of harvesting were received hy the end of the month in the southeast. Hay was plentiful and livestock fared well. A tornado was reported near Croshy and some hail fell. No prolonged heat waves occurred. The highest temperature was 100° on the 29th at Grafton.

In August the temperature continued its helow normal trend. Precipitation averaged helow normal although it varied widely, heing ahove normal in extreme south-central, west-central and north-central portions. The least rainfall was recorded in the southeast and in some cases crops suffered. Harvesting was well under way after the middle of the month in the south hut had hardly hegun in the north hy the end of the month due to heavy rainfall. Frost ahout the 20th did damage to corn and some wheat in the north portion. Light damage from hail and wind storms occurred.

September was the first month with temperatures above normal. However, precipitation was heavy and harvesting in general was interrupted. The first week was warm and much was done, although in the north a lot of wheat was still ripening. A wet period set in and little was accomplished. From the 19th to the 26th harvesting went into full swing again and was nearly finished in southern counties to ahout half done in northern counties. Frost and rust damage showed up more in threshed grain. Some was damaged in the swath and moisture content of grain was generally high. The month closed with cool and wet weather. Most stations had killing frost on the 29th.

Octoher opened with ahundant snowfall. However, after the first week, warm and dry weather set in and continued to the end of the month. Record high temperatures for so late in the season were recorded at several stations toward the end of the month. During the last half of the month, practically all harvesting was completed. Livestock continued in good condition. Considering the lateness of the spring season, however, most crops turned out hetter than was expected.

Novemher hrought helow-normal temperatures and rather heavy snowfall, although precipitation averaged helow normal. Winter conditions set in in the central portion of the state ahout the middle of the month when heavy snow ranging up to sixteen inches occurred. Roads in the central portion were frequently hlocked from then on from high winds. The rest of the state, however, had relatively little snow. Marked cold waves occurred in the second and third weeks, accompanied hy hlizzards in the latter case. High winds on the 5th caused damage to hay stacks, windows and some huildings.

Decemher averaged cool with a considerahle amount of snow. There were no severe storms during the month. A mild period occurred ahout the 21st to 23rd, during which much snow disappeared in the southwest. It was followed hy heavy snowfall heginning Christmas Eve and continuing through Christmas Day with accumulations up to eight inches reported at many places. Following this snow, temperatures dropped sharply and by the morning of the 26th, the coldest weather of the month was recorded.

Table I

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp.	Departure	Temp	Departure	Temp	Departure
Almont 7 SW	- 7.1		13.2		20.4		31.7		48.5		62.0		66.7		66.7		58.5		49.3M		23.6		15.0		37.5	
Amanda	- 7.1	-12.1	6.2	- .9	21.7M	- 3.0	34.4	- 7.2	51.0	- 3.7	65.0	1.1	67.2	- 2.7	64.5	- 2.6	59.6	1.7	48.3M	3.6	23.6	- 3.1	8.1	- 4.7	37.1	- 1.9
Amidon	- 3.6	-18.2	20.3	4.1	21.5	- 6.7	33.7	- 7.7	48.9M	- 4.6	62.3	- .5	66.5	- 3.9	66.4	- 2.0	58.1M	- .3	48.8M	3.9	25.6	- 4.7	20.4	1.3	36.1	- 3.3
Arvilla St. Park	-12.3		4.9		-		-		-		-		-		-		58.0		46.1		21.2		6.4M		-	
Ashley	- 6.6	-15.3	9.6	9.4	-	-	32.1	-10.3	50.0	- 4.2	63.9	.7	65.8M	- 3.9	64.5	- 2.7	58.7	.8	48.8	4.4	23.2	- 4.8	12.8M	- 2.0	-	-
Baldhill Dam	-		6.7M		16.9M		31.0M		46.1		62.8		65.4		63.7		57.7		47.3		-		-		-	
Beach	- 4.6	-16.7	20.4	4.4	21.9	- 5.7	35.0	- 7.2	48.5	- 3.5	60.7	- 1.8	65.6	- 4.3	64.5	- 2.7	56.3	- 1.1	47.9	3.4	25.2	- 5.5	18.5	1.1	38.5	- 3.3
Belcourt Indian Res	-16.2		2.7		14.5		28.5		45.1		57.7		62.1M		59.8		54.0		43.7		16.8		5.4M		31.2	
Belfield	- 6.1	-20.4	17.5	2.1	21.6M	- 5.9	32.8	- 6.2	47.8	- 5.2	56.3	- 2.4	65.5	- 4.5	65.1	- 2.9	55.9	- 2.1	46.8	1.1	24.2M	- 5.2	17.7M	- 2.1	37.4	- 4.7
Biabee	-14.5M	-16.3	4.0	- 2.5	17.6M	- 4.9	32.1M	- 8.6	47.6	- 5.1	56.9M	- 2.2	64.9M	- 2.5	62.3	- 3.4	56.0	- .7	44.5M	.7	19.1M	- 7.3	5.1M	- 4.6	33.2	- 4.8
Bismarck WB City	- 7.5	-15.5	11.3	- .3	22.3	- 2.9	34.1	- 8.0	51.6	- 3.2	65.2	1.0	68.9	- 1.6	66.9	- 1.3	58.6	1.5	50.1	4.9	24.4	- 4.1	11.9	- 3.8	38.2	- 2.9
Bismarck WB AP	-10.2	-18.5	7.9	- .6	20.0	- 1.9	33.7	- 6.7	51.1	- 1.9	64.2	1.3	67.9	- 1.5	66.5	- .2	56.6	1.6	48.6	5.0	22.2	- 4.3	11.6	- .9	36.9	- 2.1
Bottineau	-14.4	-15.8	4.5	- .4	16.1	- 4.7	31.9M	- 7.1	-	-	58.4	- 3.4	64.7	- 2.9	62.5	- 2.4	56.6	1.1	43.6	2.2	16.5	- 7.1	5.1M	- 3.2	-	-
Bowbella	-15.5M	-20.3	7.8M	.1	13.1M	- 8.4	-	-	-	-	59.9	- 1.9	65.4	- 2.1	82.4	- 2.4	56.7	2.1	44.6	2.8	20.8M	- 5.4	7.2M	- 5.7	-	-
Bowbella 5 E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.1M		18.8		5.3M	-	-	-
Bowman Court House	- 3.7	-18.3	19.3	1.9	20.7M	- 7.8	33.7	- 8.8	48.6	- 4.0	-	-	66.5	- 4.4	64.8M	- 3.3	56.9M	- .9	47.2	2.4	24.9	- 5.6	20.4M	2.8	-	-
Butte	-10.9M	-18.6	10.1	- 3.0	19.9	- 6.5	32.6M	- 8.7	50.1	- 4.7	63.9	1.4	66.7	- 3.3	66.1	- 1.1	56.1	.6	46.5	3.7	19.7	- 6.8	10.2M	- 4.6	38.3	- 4.3
Carrington	-	-	4.3M	- 4.6	18.4M	- 5.3	29.1M	-10.5	48.2M	- 4.9	62.6	- .8	86.0	- 3.4	63.3	- 3.6	58.0	1.1	44.7	1.0	21.0	- 6.3	6.6	- 6.0	-	-
Carson 2 SW	- 7.7	-17.8	12.1	- 2.4	19.3	- 7.7	31.2	-11.3	48.9	- 5.6	62.2	- 1.5	86.7	- 4.1	66.4	- 2.2	56.1	.0	49.5M	5.0	23.7	- 6.1	14.5M	- 2.1	37.1	- 4.6
Cavalier	-11.6	-13.0	4.8	- 1.5	18.3	- 2.7	30.8	- 8.3	40.6M	- 2.8	63.6	1.2	67.3	- 1.7	63.7	- 2.2	57.5M	1.9	45.9	2.9	20.4	- 4.3	6.2M	- 4.3	34.8	- 2.9
Caotar	-11.2M	-21.0	6.6	- 2.7	18.6	- 7.6	31.4	-11.4	52.4	- 2.1	61.7	- 2.0	65.5	- 5.5	64.1	- 3.9	57.6	- .5	47.5M	2.2	20.8	- 7.7	11.8M	- 4.6	35.9	- 5.5
Cooperatown	-10.8	-15.1	6.4	- 1.4	19.1	- 5.2	31.9	- 8.4	49.6	- 4.0	64.6	1.7	66.7	- 2.9	62.4	- 5.0	-	-	-	-	16.3	-11.0	2.5M	-10.5	-	-
Crosby	-16.2	-20.6	7.8M	- 1.7	14.9	- 8.8	33.7	- 8.2	48.6	- 3.7	59.7	- 2.0	65.2	- 2.7	61.5	- 3.5	55.9	1.1	44.5	2.3	19.0	- 7.5	7.7M	- 5.2	33.5	- 4.9
Devils Lake WB City	-13.4	-15.2	4.3	- .6	17.5	- 2.3	31.2	- 7.6	48.5	- 4.1	61.5	- .4	65.7	- 1.7	63.4	- 1.4	57.8	1.6	45.5	3.1	19.2	- 5.3	6.4	- 3.1	34.0	- 3.0
Dickinson CAA AP	- 7.8	-18.2	15.6	2.8	19.7	- 5.6	32.0	- 6.6	46.4	- 4.3	60.8	- 1.3	65.9	- 3.1	64.7	- 1.8	56.6	.2	47.8	3.8	23.0	- 5.2	16.0	- .8	36.9	- 3.6
Dickinson Exp Sta.	- 8.3	-16.9	12.9	.1	18.5	- 6.0	32.2	- 6.6	47.7	- 5.0	60.1	- 2.0	65.6	- 3.2	64.4	- 2.1	57.2	.8	46.8	2.6	23.6	- 4.6	14.3	- 2.5	36.4	- 4.1
Drake	-13.5	-19.0	6.8	- 3.8	18.5	- 6.2	33.6	- 6.6	49.4	- 5.3	64.6M	.8	67.3	- 4.3	64.6	- 2.8	59.1M	1.5	45.9M	2.8	21.7M	- 4.2	8.2	- 7.2	35.5	- 4.6
Dunn Center	-10.2	-22.4	10.4	- 3.7	18.9	- 7.1	32.0	- 6.5	47.8	- 5.0	58.3	- 3.2	64.9	- 4.1	62.7	- 3.7	55.8	- .9	44.8M	2.7	40.1	- 7.8	10.5	- 7.5	34.8	- 6.0
Dunseith St Sanita	-14.9	-17.7	6.6	.1	16.2	- 4.3	31.0	- 6.5	47.5	- 5.3	59.6	- 1.8	64.1	- 2.9	61.7	- 2.9	56.7	1.7	44.8M	3.2	17.8	- 6.3	7.2	- 3.1	33.2	- 4.0
Eckman	-16.1	-19.2	2.7	- 4.8	14.7	- 6.3	31.6	- 6.6	47.4M	- 5.2	59.5	- 2.5	64.8	- 3.1	60.4	- 4.6	-	-	-	-	-	-	-	-	-	-
Edgeley Exp Farm	- 7.5	-18.3	9.6	- 3.2	22.8	- 4.5	33.8	- 6.8	50.4	- 4.0	64.8	1.2	66.7	- 3.2	84.5	- 3.2	58.6	.3	48.2M	- .6	22.0	- 7.3	9.7	- 5.3	36.8	- 4.5
Edmore 1 W	-14.7	-14.9	2.6	- 2.0	15.5	- 5.6	28.4	- 8.9	47.3	- 5.9	60.3	- 2.0	64.3	- 3.2	62.0	- 2.8	56.8	.5	44.6	2.1	18.2M	- 8.4	4.9	- 5.6	32.6	- 4.7
Elbowoods	-13.5M	-22.1	7.6	- 4.3	17.9	- 8.3	26.8	-13.2	49.6	- 4.9	60.4	- 3.0	65.2	- 4.7	63.6	- 4.0	56.4	- 1.1	48.5M	3.7	21.2	- 7.2	11.0	- 4.9	34.8	- 6.1
Ellendale	- 4.2	-14.2	11.4M	- 1.7	23.7	- 3.5	38.2	- 6.5	52.4	- 2.9	66.5	1.7	67.6	- 3.1	66.9	- 1.8	61.2	2.4	49.8M	3.9	25.0	- 3.4	13.5	- 2.8	39.2	- 2.6
Epping	-14.8M	-20.0	11.1	1.7	16.9	- 6.1	34.2	- 7.5	46.5	- 5.5	61.7	- 1.4	67.1	- 3.7	64.0	- 3.5	57.2	.5	45.9M	3.6	21.5	- 4.8	11.5	- 3.7	35.7	- 4.3
Fargo WB AP	- 7.1	-10.9	8.1	- 2.0	20.7	- 2.0	33.5	- 7.1	51.2	- 3.9	65.6	1.2	67.9	- .2	65.5	- .6	60.4	2.2	47.5	3.0	22.3	- 4.8	6.7	- 4.8	38.7	- 2.5
Fessenden	-10.8	-15.6	6.6	- 2.9	18.2M	- 5.5	31.5	- 6.9	48.5	- 3.8	61.8	- .8	65.8M	- 3.6	64.5	- 2.2	57.5	.9	47.4	4.1	20.1M	- 6.5	6.6M	- 5.2	34.9	- 4.2
Forman	- 3.7	-11.3	11.1	- .6	24.0M	- 2.0	34.8	- 9.2	52.6M	- 3.1	65.8M	.8	67.7	- 2.4	65.6M	- 2.3	61.0	1.5	49.4	3.4	24.3	- 4.3	11.9M	- 3.4	36.7	- 2.8
Fort Yates	- 6.4	-16.0	11.6	- 1.0	22.1	- 5.1	35.4	- 9.4	51.6	- 4.9	64.4M	- 2.2	67.4M	- 5.3	66.3	- 3.4	59.6	- .6	51.0M	.3	25.4	- 4.6	16.5	- 2.7	36.6	- 4.2
Foxholm Wildlife	-12.8	-19.6	8.8	- 3.2	19.5	- 5.8	33.3	- 7.5	49.0	- 5.2	61.6	.0	65.8	- 3.9	64.2	- 2.4	57.6	1.6	47.3M	.4	21.4	- 4.2	9.1	- 5.1	35.4	- 4.3
Fullarton	- 6.0	-15.1	10.4	- 2.0	23.3	- 3.8	35.7	- 7.0	52.4	- 2.4	65.7	1.5	67.6	- 2.4	66.6	- 1.4	60.3	2.3	49.6M	4.3	24.3	- 4.7	12.7M	- 2.5	38.6	- 2.7
Gackle	-	-	9.8M	- .8	22.6M	- 3.8	36.0M	- 9.1	46.4M	- 5.8	-	-	66.4M	- 3.6	64.9M	- 2.6	59.6M	1.8	47.9M	2.5	-	-	10.7M	- 3.8	-	-
Garrison	-12.6M	-20.7	9.0	- 2.1	19.3	- 5.1	31.6	-10.2	46.5M	- 5.1	61.2	- 1.7	68.3	- 2.9	64.3	- 2.3	57.4	1.5	46.4M	3.2	19.4	- 7.1	6.3M	- 5.1	35.0	- 4.8
Grafton State School	-11.6	-14.2	5.0	- 2.3	18.0	- 3.7	30.7	- 9.9	50.2M	- 3.9	64.1	.4	67.3	- 1.5	63.5	- 2.7	58.2	2.2	46.0M	2.2	20.3M	- 4.7	8.5M	- 4.2	35.0	- 3.5
Grand Forks CAA AP	-11.6	-15.2	3.0	- 4.7	17.2	- 5.3	29.7	-11.6	49.3	- 4.9	62.6	- .6	67.0	- 1.5	63.5	- 2.5	58.6	1.6	46.2M	2.5	28.5	2.7	5.8	- 5.1	35.0	- 3.7
Grand Forks Uoly	-11.3	-14.8	3.7	- 4.0	17.8	- 4.6	30.3	-11.0	49.7	- 4.5	63.3	- .1	66.6	- 1.7	63.7	- 2.3	58.4	1.5	46.8	3.2	21.9	- 3.9	6.0	- 5.0	34.6	- 3.6
Grand Rapids 1 N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.7		11.3M		-	
Granville	-13.0	-16.1	6.4	- 3.6	16.2	- 6.3	32.7	- 6.1	46.7	- 4.2	60.8M	- 1.8	65.3M	- 3.4	63.6	- 2.1	58.6M	2.7	47.5M	3.9	20.6	- 5.8	8.2M	- 4.8	34.6	- 4.3
Gracara	-15.3	-20.2	11.0M	2.0	17.9	- 4.5	34.4	- 4.9	49.1	- 3.1	61.8	.8	67.6M	.2	63.0	- 2.6	57.6	2.3	45.7M	3.6	20.9M	- 5.2	11.7M	- .6	35.5	- 2.5
Hankinson R R 6ta.	- 4.7M	-12.6	7.8M	- 6.3	20.8	- 8.0	33.7	- 6.8	51.3M	- 6.7	67.0M	.1	66.3M	- 3.1	65.4	- 5.3	61.1	.6	48.4	1.8	24.2	- 4.7	8.7M	- 6.0	37.6	- 5.3
Hannah	-15.7M	-16.6	2.2	- .4	14.3M	- 4.9	28.6M	- 6.0	46.6	- 4.7	59.5	- 1.0	64.0M	- 2.2	61.2	- 2.9	56.4	1.6	43.6	2.6	18.2M	- 2.5	3.2	- 4.4	31.6	- 3.5
Hansboro	-14.7M	-15.3	3.2	- 2.8	16.2	- 4.5	29.7M	- 8.9	46.5M	- 5.0	56.5M	- 2.3	63.3M	- 3.0	60.1M	- 3.4	55.0M	.8	44.3M	3.0	16.2M	- 7.3	5.0M	- 4.2	32.0	- 4.4
Hattingar	-	-	-	-	-	-	34.5	- 8.4	50.2	- 4.3	-	-	66.1M	- 3.6	66.0	- 2.9	60.8	2.2	53.0M	8.9	28.0M	- 2.4	20.8M	2.5	-	-
Hillaboro	- 9.5	-14.4	5.8	- 4.4	19.2	- 6.1	31.9	-10.3	49.6	- 5.0	63.6	- .9	67.3	- 3.4	63.3	- 4.9	59.4	.4	46.3	1.1	23.0	- 4.3	7.3M	- 4.7	35.7	- 4.7
Jamestown CAA AP	-10.3	-17.4	7.2	- 2.7	20.5	- 3.9	32.4	- 9.3	49.0	- 5.1	63.0	- .7	65.5	- 4.1	63.7	- 3.2	57.8	.8	47.2	2.5	20.4	- 8.6	9.3	- 4.6	35.5	- 4.5
Jamestown State Hosp	- 9.5	-16.6	9.0	- .9	21.6	- 2.8	33.9	- 7.8	50.9	- 3.2	66.1	2.4	67.8	- 1.8	65.3	- 1.6	59.2	2.2	46.1	3.4	22.6	- 4.7	10.1	- 3.8	37.1	- 2.6
Kenmare	-13.6	-16.4	8.3	.1	17.5	- 5.7	34.6	- 5.8	48.8	- 5.0	60.6	- 1.8	86.3	- 3.0	63.3	- 2.7	57.3	1.1	45.8	2.1	20.0	- 6.3	8.2	- 6.0	34.7	- 4.4
Kensal Wildlife Res	-12.0		5.5		18.5		31.3		47.8		63.3		66.2		64.4		58.5		46.6		20.9		7.5M		34.8	
La Moure	- 6.4		10.2		23.2		35.4		52.6M		67.0		68.6		66.9		60.6M		47.9M		-		-		-	
Langdon Exp Farm	-15.6	-16.2	2.9	- 1.6	14.6	- 5.2	28.2	- 8.4	46.8	- 5.0	58.9	- .7	64.5	- 1.8	61.3	- 2.4	57.3	3.8	44.3	3.4	17.6	- 6.1	3.9	- 4.9	32.1	- 3.6
Larimore	-10.6	-14.4	6.4	- 1.3	19.1M	- 3.6	30.3M	- 8.9	48.5M	- 4.9	64.1M	1.2	-	-	65.6	- .1	-	-	-	-	-	-	-	-	-	-
Leeds	-14.0		4.7		17.6		32.7		46.9		62.4		66.6		64.3		57.9		45.7		19.2		5.9M		34.3	
Lloton	- 7.8	-16.6	12.6	- .6	21.2	- 6.8	34.8	- 7.6	51.7	- 4.0	66.0	.6	68.4	- 4.3	67.1	- 3.0	60.0	.2	50.5	5.0	24.1	- 4.7	14.1	- 1.2	38.6	- 3.6
Lisbon	- 7.6	-15.2	6.8	- 4.8	21.0	- 6.3	33.6	- 6.2	51.0	- 3.6	64.8	.4	66.2	- 4.2	64.0	- 3.8	-	-	45.4	.7	22.8	- 6.0	7.2	- 7.6	-	-
Maddock Agr School	-12.9	-17.5	4.7	- 5.5	17.8	- 6.5	31.4	- 9.2	46.9	- 4.9	62.2	.0	65.3	- 3.6	63.6	- 2.9	57.4	.5	45.6	2.1	16.5	- 7.7	6.6	- 4.8	34.1	- 5.0
Mandan Exp Sta	-10.1	-16.7	6.7	- 3.8	18.6	- 6.2	32.4	-10.2	49.9	- 5.2	62.5	- 1.9	68.9	- 5.0	65.2	- 3.7	58.6	.0	47.9	3.2	22.8	- 6.1	11.5	- 3.6	36.3	- 5.2
Maodan Ft. Lincoln	- 8.8		11.5		22.0		34.1		51.8		65.4		69.0		67.6		59.6		50.4		24.9M		13.7		38.6	
Marmarth	- 2.8	-18.4	16.9	2.7	22.2M	- 6.6	37.0M	- 6.2	49.6M	- 4.0	62.8M	- .6	87.0M	- 4.2	66.2M	- 2.0	57.3	- .5	48.0M	2.0	24.5M	- 6.4	22.1M	3.6	36.5	- 3.2
Max	-13.6	-18.3	7.0	- 2.8	17.3	- 7.2	31.0	- 6.6	48.6	- 5.5	61.3	- 2.3	68.1M	- 5.3	63.7	- 3.7	57.5	.9	45.9	3.0	19.5	- 6.2	10.3M	- 4.1	34.8	- 5.0
Mayville	- 9.4	-15.4	6.3	- 3.5	16.8	- 4.8	33.0	- 9.5	50.3	- 5.1	65.1	.6	67.7	- 2.5	64.8	- 3.1	60.4	1.8	47.2	1.2	22.6	- 5.0	8.3M	- 7.0	36.2	- 4.4
Mc Clusky	-11.3M	-17.7	6.1	- 2.7	18.5	- 7.7	30.6M	-10.5	49.2	- 4.8	62.1	- .2	66.6	- 3.6	65.1M	- 2.1	57.9M	.7	47.3M	33.9	20.7	- 4.9	8.0M	- 4.7	35.4	- 4.5
Mc Henry 5 N	-13.6	-15.3	5.1	- .3	18.6	- 6.1	30.6	-10.0	47.9	- 4.6	61.8	.0	64.6	- 3.5	62.9	- 2.6	57.6	1.8	45.3	2.0	19.4	- 7.2	6.2	- 4.6	33.7	- 4.2
Mc Leod 3 E	- 6.1	-14.4	8.0	- 4.0	23.0	- 4.6	35.5	- 6.1	52.6	- 3.2	66.0	.7	68.1M	- 3.3	65.8	- 2.7	60.5M	.9	49.2M	2.7	25.3M	- 4.4	6.2	- 6.8	38.1	- 3.8
Medora T R N M P	- 4.8		17.7		23.3		36.1		50.3		67.1		66.0		65.6		56.6M		47.7M		25.9		18.0		38.6	
Minot CAA AP	-13.4	-20.0	7.7	- 2.5	18.5	- 5.1	31.5	- 8.3	46.7	- 4.4	61.1	- 4.0	65.5	- 3.3	63.2	- 2.4	57.5	1.1	46.8	3.0	20.2	- 7.2	9.3	- 3.8	34.7	- 4.8
Minot Exp Farm	-13.6		8.2		18.1M		32.0		47.6		60.6		65.3		63.9		57.1		46.5		20.3		9.7		34.7	
Minhall	-14.1	-18.9	5.8	- 1.7	17.3	- 4.2	32.5	- 7.9	46.0	- 4.1	60.2	- 1.5	64.9	- 2.6	62.1	- 2.7	55.2	.3	45.7	3.5	19.0	- 6.0	6.9	- 4.8	33.7	- 4.2
Mott	- 5.2	-15.4	13.5	- .6	20.7	- 6.9	-	-	49.3	- 5.3	60.9	- 4.1	66.1	- 5.5	64.6	- 3.4	56.5	- 1.3	48.2	3.8	24.8	- 4.7	17.2	1.4	-	-
Munich 4 SW	-16.7		1.6		15.1		29.2		46.3		59.2		63.2		61.1		57.1		43.7		17.5		3.6		31.7	
Napoleon 1 6E	- 9.0	-15.8	8.8	.0	19.5	- 3.8	32.0	- 8.4	49.4	- 3.8	84.2	1.3	66.6	- 2.6	65.4	- 1.7	56.9	1.4	48.7	4.6	21.9	- 4.9	11.0M	- 2.4	36.5	- 3.1
New England	- 3.0	-18.5	17.2	2.7	20.9	- 5.2	33.4	- 9.0	49.6	- 3.3	61.8	- 1.8	66.7	- 3.8	65.5	- 2.3	57.5	.1	46.2	4.1	25.7	- 3.7	16.6	1.2	38.5	- 3.2
New Salem 1 6	- 6.4M	-16.1	11.3	- 1.7	19.0	- 7.2	31.9	-10.4	49.1	- 4.3	62.1	- 1.5	66.1	- 4.7	65.1	- 2.8	58.6	.3	48.5M	3.4	21.8M	- 7.8	12.1M	- 4.1	36.4	- 4.9
Oakes	- 8.3	-15.2	8.2	- 4.7	21.8	- 5.9	34.1	- 8.7	51.2	- 4.4	65.7	.4	88.0	- 3.7	66.3	- 2.8	59.8	.9	47.9	1.9	23.5	- 5.1	9.7	- 6.5	37.5	- 4.5
Park River	-12.1	-15.0	5.8M	- 1.8	18.3	- 4.5	30.2	-10.3	50.0	- 3.6	63.6	.5	66.9	- 1.6	64.2	- 2.4	59.8	2.9	46.8	3.1	21.9M	- 5.1	7.0	- 4.1	35.2	- 3.5
Parshall	-12.6	-18.9	8.8M	.1	18.2	- 6.1	33.3	- 5.7	49.1	- 4.9	80.8	- 1.2	65.0	- 4.6	62.2M	- 3.8	55.7	.4	46.4	2.0	19.5	- 6.0	10.4	- 4.1	34.8	- 4.4
Peahina 2 N	-14.6	-17.0	.5	- 2.3	13.5	- 4.9	27.7	-10.8	49.3M	- 3.9	60.2	- 2.6	65.0	- 2.8	61.5	- 3.2	57.0	2.5	-	-	19.3	- 4.1	2.0M	- 5.0	-	-
Peterburg	-		4.8		-		28.0		48.2M		62.4		66.4M		63.6		57.8		45.4		20.0		6.6		-	
Pettibone	-10.7	-14.6	8.7	- .3	19.4	- 5.0	31.7	- 9.1	48.6	- 4.6	63.3	.7	65.6	- 3.9	64.7	- 3.8	58.4M	1.8	47.7	5.1	21.0M	- 5.1	6.9	- 2.8	35.6	- 3.5
Portal	-17.5	-20.5	6.6M	.4	13.5M	- 4.9	31.8	- 8.7	46.6M	- 5.3	59.2	- 1.4	64.2	- 3.8	61.0	- 3.6	56.2M	1.0	45.1	3.6	18.5	- 6.5	6.6M	- 8.0	32.7	- 4.6
Powers Lake 1 N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.6M	- .7	18.9M	- 6.5	7.9M	- 7.9	-	-
Richardton Abbey	- 5.7	-16.8	14.8	.1	21.0	- 6.2	33.0	- 8.4	49.2	- 4.7	61.5	- 1.6	66.5	- 4.6	66.2	- 2.3	57.6M	- .6	48.5	4.9	24.6	- 4.1	15.6	- .6	37.6	- 3.8
Riverdale	-		7.6		20.1		33.5		49.4		62.6		66.9		65.1		58.0		47.8		20.8		10.8		-	
Rolla	-15.0	-17.8	4.0	- 2.8	16.6	- 4.6	30.2	- 8.6	46.6	- 5.4	59.2	- 1.1	63.6	- 2.9	61.0	- 4.6	55.4M	- .3	43.5	1.0	17.1	- 6.1	6.1M	- 4.1	32.4	- 4.6
Rugby	-12.2		6.2		18.1		33.6		49.4		62.6		66.8		64.8		58.7		47.2		20.4		7.3		35.2	
Sanish	-12.6	-18.0	7.2	- 1.4	18.6	- 6.2	31.9	- 8.8	47.9	- 7.3	59.8	- 3.7	64.7	- 6.0	60.6M	- 6.8	57.0	- .5	44.9	.7	20.5M	- 7.5	9.6	- 3.9	34.2	- 5.6
Sharon	-10.6	-14.4	7.5M	- 2.0	18.4	- 5.8	31.0M	- 6.6	50.0M	- 4.1	62.2	- .8	66.5M	- 4.3	64.2M	- 3.7	58.7	1.3	46.3	2.7	20.6	- 4.1	6.4	- 5.6	35.1	- 4.1
Stanley	-16.7		5.8		14.7M		29.8		46.1		59.1		64.0M		61.1		54.5		43.3		16.8		7.2		32.3	
Steele	-11.3M	-18.5	7.9	- 1.7	19.7	- 4.6	30.5	-12.2	48.8	- 5.2	63.4	.4	65.1	- 5.1	63.7	- 3.6	56.9	.8	47.2	3.1	21.4	- 5.1	9.8M	- 3.4	35.3	- 4.7
Towner	-13.5M	-17.6	5.7	- 2.2	17.4	- 5.2	33.3	- 8.5	48.1	- 6.2	61.3	- 2.1	65.2	- 3.9	62.8	- 3.4	56.6	- .3	46.2	2.7	18.7M	- 6.7	5.7	- 5.5	34.0	- 4.9
Turtle Lake	-12.5M	-19.2	6.8M	- .7	18.8M	- 6.6	31.5M	- 9.8	48.3M	- 4.6	-	-	62.4M	- 7.1	64.9M	- 2.4	56.0	.5	47.2M	3.1	21.3M	- 6.8	6.5M	- 4.8	-	-
Underwood 12 W	-11.3	-21.2	10.0	- 4.3	21.1	- 7.8	34.5	- 9.3	51.5	- 4.8	61.9	- 2.4	66.1	- 5.8	64.9	- 3.4	57.9	- .3	47.3	2.3	20.4	- 7.9	10.7M	- 5.5	36.2	- 5.6
Upham Wildlife Ref	-13.2		5.1M		16.6M		34.1M		50.0		61.7		65.2		62.8		57.0M		46.5		19.2		6.1M		34.2

Table 1—Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure
Wahpeton St School	- 2.8	-11.5	9.8	- 2.6	23.5	- 4.1	35.3	- 8.9	53.0	- 3.3	68.0	2.2	68.3	- 2.6	66.9	- 1.9	62.1	2.1	50.2	3.2	26.0M	- 3.0	9.3	- 8.5	38.1	- 3.1
Washburn	- 7.6	-15.8	11.4	.7	21.6	- 3.9	33.8	- 8.5	51.0	- 4.9	63.5	- 1.4	67.6	- 3.6	66.3	- 1.8	59.5	.2	49.9	4.9	23.1M	- 6.3	12.8	- 2.9	37.7	- 3.7
Watford City	-10.2	-20.0	14.0	.3	20.6	- 5.6	34.4	- 7.0	50.4	- 4.1	61.6	- 1.3	66.7	- 4.4	64.7	- 3.6	57.1	- .6	47.5	3.3	25.2M	- 3.3	14.8	- .7	37.2	- 4.0
Westhope	-14.3	-16.4	3.8	- 3.9	16.4	- 6.1	32.7	- 7.2	48.6	- 4.5	60.7	- 2.0	65.6	- 2.3	-	-	-	-	45.8	3.0	18.2	- 6.9	5.8	- 4.4	-	-
Williston WB City	-12.2	-18.6	13.2	5.1	19.6	- 3.3	35.1	- 8.9	50.6	- 3.4	61.2	- 1.5	66.8	- 2.1	64.3	- 1.8	57.3	.7	48.9	3.5	23.3	- 3.9	14.0	.2	36.7	- 2.6
Willow City	-14.8	-15.9	3.0	- 2.1	17.2	- 2.9	33.4	- 6.2	48.2	- 4.0	61.2	- .1	64.4	- 2.2	61.9	- 2.3	56.1	1.4	45.0	3.5	18.4	- 4.3	5.4	- 3.8	33.3	- 3.2
Wilton R R Sta.	-11.9M	-19.9	-7.1M	- 3.2	16.4M	- 8.6	29.1M	-13.1	47.4M	- 6.5	60.5M	- 2.3	65.3M	- 5.1	62.6	- 5.1	56.2	- 1.1	44.8	- .1	19.3	- 8.0	8.8M	- 8.0	33.8	- 8.6
Wishek	- 9.5M	-16.8	7.2M	- 3.0	19.6M	- 6.5	32.3	- 8.2	48.6	- 4.6	62.4	- 1.2	85.8M	- 4.6	62.9M	- 4.1	57.0M	- .2	46.4M	2.4	22.0M	- 6.4	11.5	- 3.4	35.5	- 4.8
Section Average	-10.5	-17.2	8.8	- .8	19.2	- 4.6	32.6	- 8.9	49.4	- 4.0	62.2	- .6	66.1	- 2.9	64.1	- 2.9	57.9	.8	46.9	2.9	21.6	- 5.8	10.0	- 4.0	35.7	- 4.3

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages --mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

See reference notes following Station Index.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
Adams 7 S	1.13		0.17		1.69		1.69		3.82		3.87		0.78		0.98		4.05		0.56		0.55		0.46		19.75	
Alexander R R 5ta.	0.77		0.42		1.48		1.52		1.29		5.56		0.85		2.24		3.21		0.50		0.32		0.54		18.70	
Almont 7 SW	0.68		0.45		1.40		1.26		2.20		3.16		1.24		1.09		3.43		1.14		0.40		0.49		16.84	
Alpha 1 S	0.37	- .05	0.35	- .08	1.07	.28	1.12	- .14	1.29	-1.06	2.82	.48	0.46	-1.58	1.37	- .24	2.09	.80	1.35	.45	0.31	- .04	0.12	- .34	12.72	-2.48
Ambroae	-		-		-		-		-		3.89		3.14		1.50		-		-		-		-		-	
Amenia	1.36	.83	0.10	- .49	1.72	.96	1.47	- .28	6.78	3.98	3.58	- .01	1.19	-1.50	0.90	-1.64	2.67	.77	0.67	- .68	0.82	- .06	1.44	.82	22.50	2.80
Amidon	0.33	- .10	0.37	- .10	1.77	1.02	1.25	- .07	1.87	- .37	2.54	- .94	1.31	- .83	1.45	- .10	1.84	.37	0.75	- .22	0.90	.49	0.20	- .19	14.68	-1.04
Antlar R	-		-		-		-		-		3.79		3.04		3.42		2.56		0.22		0.30		0.67		-	
Arvilla State Park	1.04		0.30		1.57		1.58		4.79		2.42		3.96		1.51		5.79		0.55		0.32		0.29		24.12	
Ashley	1.32	.88	0.29	- .16	-	-	0.59	1.02	5.79	-3.39	1.30	2.12	1.55	-1.11	1.98	- .46	1.60	- .13	0.47	- .59	0.20	- .35	0.70	.20	-	-
Baldhill Dam	1.57		0.02		1.08		0.58		5.81		3.68		1.62		0.84		2.79		0.82		-		-		-	
Balfour R	0.70		0.20		0.40		1.17		1.87		-		-		-		-		-		0.72		-		-	
Balta	-		-		-		-		-		-		-		1.72		1.58		0.39		-		-		-	
Baetry	-		-		-		-		-		-		2.11		1.68		1.80		-		0.14		0.50		-	
Beach	0.26	- .20	0.49	.08	0.85	.10	1.96	.78	1.27	- .99	5.21	1.62	0.83	- .97	2.67	1.07	3.27	2.00	1.00	.10	0.56	.10	0.19	- .28	18.56	3.42
Belcourt Indian Re.	0.70		0.15		0.24		0.75		3.55		5.23		3.63		1.74		1.74		0.32		0.46		0.45		18.88	
Belfield	0.94	.48	0.47	.02	1.65	.84	1.69	.40	2.34	- .01	4.61	1.19	0.58	-1.86	1.23	- .58	2.35	1.01	1.07	.10	0.98	.50	0.45	- .03	18.34	2.26
Berthold	-		-		-		-		-		3.23		2.92		5.21		2.19		0.31		0.17		0.62		-	
Beulah	1.09	.79	0.33	- .01	1.45	.86	1.27	.26	2.26	- .08	2.18	-1.62	1.49	- .78	1.80	- .03	1.88	.33	0.83	- .05	0.75	.39	0.72	.31	16.05	.36
Binben	1.07	.62	T	- .36	0.24	- .47	0.82	- .37	2.39	.24	3.53	.17	2.55	- .15	1.67	- .68	1.48	- .21	0.45	- .54	0.44	- .03	0.43	.00	15.07	-1.78
Bismarck WB City	1.08	.70	0.59	.20	2.88	1.88	1.73	.54	2.99	.76	1.72	-1.51	1.08	-1.22	1.18	- .45	1.46	.02	0.53	- .38	0.30	- .18	0.71	.23	16.21	.70
Bismarck WB Airport R	1.00	.55	0.55	.11	2.84	1.85	1.71	.19	2.89	.57	1.53	-1.82	1.12	-1.12	1.11	- .71	1.70	.47	0.59	- .35	0.24	- .33	0.61	.04	15.89	- .45
Bottineau	0.59	.18	0.23	- .13	0.06	- .81	0.96	.12	2.93	.88	4.71	1.52	2.99	.60	1.66	- .79	1.48	- .11	0.42	- .55	0.37	- .10	0.80	.33	17.20	1.34
Bowbells	-	-	0.49	.07	-	-	-	-	-	-	4.22	.88	2.18	- .07	2.53	.55	2.41	1.00	0.45	- .40	0.08	- .38	0.81	.43	-	-
Bowbells 5 E	-		-		-		-		-		-		1.20		2.58		2.22		0.34		0.10		0.38		-	
Bowmae Court Bouan	0.56	.12	1.05	.81	1.38	.70	1.06	- .17	1.58	- .74	-	-	1.98	- .10	1.78	.05	2.13	.86	0.69	- .19	0.34	- .04	0.05	- .30	-	-
Breiee R	-		0.65		-		-		2.75		2.56		1.14		2.94		-		0.74		0.31		0.38		-	
Butte	0.87	.61	0.28	- .25	0.64	- .18	1.42	.12	3.44	.98	3.04	- .36	1.42	-1.31	0.98	- .98	1.54	.06	0.51	- .46	1.11	.51	0.51	.02	15.86	-1.24
Candn R	-		-		-		-		-		-		-		-		1.85		0.67		0.44		0.51		-	
Carringtoe	1.47	1.05	0.10	- .38	2.85	2.16	0.58	- .77	2.99	.50	2.48	- .87	1.93	- .68	0.87	-1.10	4.85	3.43	0.65	- .38	0.85	.30	0.42	.01	20.12	3.17
Caraoe R	0.73		0.53		2.29		-		2.77		2.68		3.16		1.53		2.31		0.63		0.28		0.30		-	
Carson 2 SW	1.04	.68	0.58	.10	2.66	1.80	1.50	.15	2.68	.28	2.67	- .81	1.78	- .21	1.83	.17	2.36	.92	0.67	- .24	0.67	.10	0.23	- .25	18.67	2.68
Cavalier	1.18	.51	0.21	- .30	1.98	1.22	2.18	.80	4.59	2.33	3.72	.64	1.35	-1.29	0.87	-1.64	4.79	2.47	0.68	- .61	0.44	- .30	0.55	- .14	22.55	3.69
Ceeter	0.86	.49	0.43	.01	3.52	2.78	1.48	.25	2.80	.53	3.01	- .55	1.39	-1.03	0.95	- .76	2.77	1.41	1.02	.11	0.47	- .04	0.40	- .04	19.10	3.17
Colgate	1.45	.97	0.26	- .23	2.85	2.05	2.25	.59	4.89	2.19	3.35	- .13	1.25	-1.28	0.66	-1.82	2.42	.59	-	-	0.05	- .62	0.37	- .16	-	-
Columbus	-		-		-		-		-		3.92		3.50		0.83		1.94		0.50		0.12		0.50		-	
Cooperatown	0.78	.27	0.15	- .37	0.88	- .05	1.07	- .32	4.73	2.20	4.55	1.28	1.44	-1.15	1.21	-1.40	4.16	2.40	0.41	- .67	0.57	- .07	0.90	.32	20.63	2.44
Courteeay	2.28	1.67	0.03	- .55	1.32	.48	0.95	- .48	5.82	3.39	2.68	- .51	1.11	-1.51	0.58	-1.82	2.46	.62	0.38	- .77	0.38	- .18	0.74	.07	18.74	.40
Crosby	0.56	.16	0.37	.01	0.39	- .29	1.08	.15	1.87	- .10	3.81	.75	3.63	1.55	1.03	- .78	2.09	.85	0.65	- .18	T	- .58	0.46	- .04	16.04	1.51
Dawsnn R	0.89		0.25		1.08		0.72		4.32		1.88		1.58		2.03		2.57		0.48		0.29		0.47		16.74	
Devils Lakn WB City R	1.00	.53	0.10	- .40	0.86	.08	1.87	.35	4.13	-2.10	2.53	-1.03	1.80	- .77	1.23	1.25	2.62	.99	0.48	- .77	0.55	- .17	0.68	.14	17.85	- .20
Dickineoe CAA AP	0.90	.48	0.58	.13	1.74	1.04	1.61	.41	1.76	- .57	2.94	- .58	0.70	-1.51	0.81	- .93	1.44	.14	0.83	.02	0.46	- .02	0.48	.02	14.43	-1.37
Dickinsnn Exp. Sta.	0.77	.35	0.47	.04	1.81	1.11	1.37	.17	2.13	- .20	2.87	- .65	0.68	-1.53	0.87	- .87	1.77	.47	0.87	- .04	1.00	.52	0.52	.06	15.13	- .67
Doneybrook	-		-		-		-		-		3.71		3.75		2.57		2.86		0.33		0.04		-		-	
Drake	-	-	0.24	- .23	0.52	- .18	0.89	- .28	3.31	1.23	4.34	1.18	2.43	.13	1.82	- .10	1.71	.28	0.47	- .57	1.02	.48	0.51	.10	-	-
Dunn Center	0.80	.44	0.33	- .13	1.73	.98	1.90	.64	1.73	- .61	4.29	.59	1.81	- .72	0.83	- .83	1.81	.51	0.79	- .04	0.83	.38	0.51	.10	17.28	1.32
Duneeith St. Saeitar.	0.88	.48	0.19	- .23	0.47	- .15	0.68	- .16	2.37	.50	4.09	1.08	3.25	.58	1.64	- .72	1.18	- .49	0.30	- .58	0.48	- .04	0.36	- .07	15.88	.20
Eckman	0.92	.56	0.44	.07	0.28	- .30	0.85	- .08	2.86	.98	4.45	1.47	2.74	.38	1.80	- .08	-	-	-	-	-	-	-	-	-	-
Edgeley Exp. Farm	-	-	0.22	- .28	1.28	.45	0.42	-1.33	6.22	3.66	1.39	-2.28	3.15	.58	0.32	-2.03	1.47	- .19	0.43	- .59	0.11	- .41	0.52	.03	-	-
Edmore 1 W	1.18	.69	0.07	- .34	1.25	.58	1.36	.10	3.64	1.78	2.74	- .37	1.58	-1.26	0.51	-1.82	2.01	.16	0.67	- .31	0.56	- .06	0.42	- .12	15.98	- .88
Elbowoods	0.69	.36	0.41	.02	1.03	.50	1.00	- .01	0.94	-1.25	1.70	-1.98	1.32	-1.09	1.70	- .14	1.75	.26	0.23	- .57	0.78	.38	0.49	.09	12.04	-3.43
Elgin 5 S	-		-		-		-		-		-		-		1.07		1.66		0.38		0.28		0.21		-	
Ellendale	1.54	1.08	0.23	- .26	1.12	.17	1.40	- .46	7.47	4.86	0.83	-2.78	3.03	.38	0.89	-1.78	2.08	.40	0.88	- .18	0.44	- .12	0.96	.50	20.77	1.81
Epping	0.48	.07	0.23	- .17	-	-	0.96	- .03	0.90	-1.24	3.13	- .18	3.14	1.09	1.35	- .29	2.60	1.31	0.32	- .45	-	-	0.35	- .10	-	-
Esmoed R	-		-		-		-		-		-		-		1.42		2.04		0.52		1.11		0.54		-	
Fairfield 8 N	0.68	.22	0.33	- .09	0.82	.10	1.58	- .36	1.19	-1.17	5.05	1.32	1.40	- .88	5.73	4.15	3.15	1.77	0.88	.02	0.31	- .14	0.27	- .18	21.35	5.47
Fargo WB Airport R //	1.36	.69	0.26	- .43	2.21	1.20	1.79	- .39	5.00	2.11	2.28	-1.76	0.42	-3.01	0.42	-2.47	1.54	- .68	0.99	- .70	0.50	- .40	0.60	- .12	17.38	-5.88
Feaeendee	0.69	.20	0.19	- .33	1.15	.40	0.67	- .65	2.96	.68	3.12	- .36	1.42	-1.15	1.52	- .66	2.07	.56	0.53	- .53	0.91	.31	-	-	-	-
Flasher	0.81		0.48		1.80		1.40		3.40		3.08		2.02		2.08		1.84		0.71		0.18		0.35		17.76	
Flaxtoe	-		-		-		-		-		3.41		2.29		1.14		1.90		0.44		0.13		0.65		-	
Forman	1.59	1.14	0.05	- .45	0.98	.18	0.73	-1.28	5.77	2.82	0.88	-2.72	2.55	- .33	1.06	-1.68	0.96	-1.11	1.18	- .17	0.25	- .32	0.73	.17	16.74	-3.75
Fort Yates	0.56	.17	0.78	.30	1.65	.84	1.25	- .10	2.68	.50	1.88	-1.61	1.37	- .71	4.20	2.31	1.01	- .44	0.63	- .36	0.05	- .40	0.33	- .05	18.33	.45
Foxhnlm Wildlife Re.	0.88	.55	0.58	.12	1.90	1.18	1.56	.31	2.30	.27	3.81	.93	2.38	.45	2.60	.62	2.19	.64	0.23	- .85	0.14	- .54	0.64	.13	19.43	4.01
Fryburg R	0.45		0.28		0.80		1.43		1.93		3.53		-		1.76		2.00		0.74		-		0.24		-	
Fullnrtne	2.40	1.70	0.34	- .37	1.50	.44	1.10	-1.04	7.82	4.83	0.58	-3.33	2.63	- .25	0.35	-2.19	1.27	- .68	0.95	- .38	0.48	- .23	1.00	.23	20.42	-1.28
Gackle	1.19	.75	0.30	- .15	1.41	.56	0.76	- .78	5.15	2.57	-	-	3.15	.47	0.62	-1.73	2.77	1.19	0.27	- .69	0.18	- .38	0.49	.04	-	-
Garrinnn	1.17	.80	0.38	- .13	1.21	.42	1.95	.79	2.09	- .24	2.68	- .74	0.83	-1.66	1.95	.01	1.59	.13	0.45	- .41	0.82	.33	0.81	.33	15.83	- .37
Glen Ullin R	0.81		0.41		-		1.29		2.35		2.13		1.22		0.99		2.91		0.88		0.32		0.51		-	
Glee Ullie 18 N	-		-		-		-		-		-		-		1.00		-		-		-		-		-	
Goldee Valley 10 S	-		-		-		-		-		-		-		0.55		1.99		0.57		-		0.26		-	
Golva 1 SE R	-		-		-		-		1.20		-		-		-		-		-		0.26		-		-	
Grafton Statn School	1.58	1.08	0.20	- .37	1.92	1.22	1.83	.59	4.66	2.64	2.42	- .83	2.22	- .54	1.24	-1.28	5.43	3.27	0.62	- .52	1.08	.37	0.31	- .22	23.58	5.41
Graed Forks CAA AP	1.07	.54	0.10	- .46	0.94	.16	1.73	.07	3.65	1.15	3.29	.01	1.35	-1.43	0.89	-1.73	5.17	3.25	0.47	- .89	0.48	- .31	0.48	- .14	19.62	.22
Grand Forke Univ.	1.17	.64	0.05	- .51	2.21	1.42	2.05	.39	4.88	2.38	3.66	.38	1.63	-1.15	1.11	-1.51	5.56	3.64	1.05	- .31	0.48	- .30	0.52	- .10	24.38	4.97
Grand Rapida 1 N	-		-		-		-		-		-		-		-		-		-		0.16		0.68		-	
Graeo R //	-		1.08		0.99		1.71		3.10		4.38		1.39		3.20		-		-		-		0.68		-	
Graeville	1.07	.68	0.36	- .07	0.39	- .15	1.23	.29	2.84	.81	3.83	.64	3.28	1.01	1.53	- .34	1.12	- .44	0.33	- .51	0.21	- .33	0.79	.33	17.08	2.03
Grassy Butte R	-		-		-		-		-		6.58		-		4.87		3.52		1.03		-		0.53		-	
Grasny Butte 1 N	-		-		-		-		-		-		-		3.55		3.79		-		0.58		0.40		-	
Greenra	0.20	- .24	0.02	- .43	0.40	- .28	1.44	.41	-	-	4.83	1.67	2.44	.60	0.84	- .66	1.84	.61	0.46	- .33	-	-	0.36	- .16	-	-
Baley R	-		-		-		-		-		-		1.29		1.61		0.78		0.62		-		0.11		-	
Balliday	0.91		0.38		1.47		1.20		1.83		2.73		1.60		1.46		2.15		0.44		1.07		0.39		15.63	
Hankineoe R R Sta.	1.52	1.05	0.04	- .50	2.07	1.25	1.08	- .93	4.37	1.51	0.71	-2.87	3.88	1.01	1.38	-1.37	1.96	- .14	1.09	- .28	0.08	- .58	-	-	-	-
Bannafnrd R	-		0.02		-		-		-		-		-		0.78		2.25		0.26		0.39		0.69		-	
Bannah	0.83	- .07	0.19	- .40	0.39	- .33	1.09	- .03	4.18	2.07	3.68	.28	5.84	3.41	0.73	-1.64	1.84	- .27	0.67	- .40	0.85	.18	0.33	- .26	20.43	2.52
Baesboro	0.49	- .12	0.07	- .43	0.38	- .50	0.50	- .75	2.37	.27	4.00	.88	-	-	1.10	-1.22	1.42	- .44	0.29	- .75	0.32	- .22	0.30	- .24	-	-
Barvey Water Works	0.43	- .05	0.13	- .32	0.71	- .06	0.61	- .67	2.76	.58	4.50	1.13	2.30	- .10	1.33	- .86	2.00	.57	0.58	- .49	0.82	.24	0.36	- .17	18.53	- .20
Baynee 6 NE R	0.84		0.53		1.83		0.80		2.44		1.75		0.53		3.46		1.50		0.54		0.51		0.13		14.66	
Baznltnn RR Sta. R //	1.40		0.71		1.28		1.33		-		2.21		0.77		3.77		2.12		1.00		0.49		0.52		-	
Bettingnr	-	-	-	-	-	-	1.43	.37	2.27	- .01	2.03	-1.13	1.07	-1.21	3.14	1.80	1.02	- .28	0.46	- .25	0.46	.06	0.01	- .36	-	-
Billsboro	1.58	1.07	0.14	- .41	2.19	1.43	1.77	- .11	4.39	1.44	3.39	- .03	0.96	-1.68	1.31	-1.44	2.86	.79	0.90	- .44	0.44	- .32	0.50	- .14	20.43	.16
Burdsfield B	1.46		-		2.70		1.64		-		2.74		2.21		1.37		2.42		-		0.82		0.72		-	
Jamestown CAA AP	2.98	2.43	0.26	- .33	1.90	1.00	1.85	- .15	6.34	3.57	4.78	1.28	2.58	- .12	1.07	-1.48	1.79	.12	0.45	- .84	0.81	.14	1.03	.38	25.84	6.30
Jamestown State Boap.	0.91	.36	T	- .59	1.38	.48	0.96	- .74	5.18	2.41	3.23	- .27	2.22	- .48	1.55	-1.00	2.00	.33	0.28	-1.01	0.12	- .55	0.51	- .14	18.34	-1.20
Keene	-		-		-		-		-		-		-		2.27		2.93		0.54		0.28		0.31		-	
Kenmare	0.81	.46	0.30	- .08	0.81	.18	1.62	.70	2.62	.84	4.41	1.52	2.41	.11	3.10	1.19	3.62	2.05	0.57	- .38	0.10	- .44	0.87	.44	21.24	6.35
Kensal Wildlife Re.	1.17		0.06		0.80		0.78		5.71		2.75		1.30		1.07		4.14		0.60		0.62		0.50		19.48	
Killdeer 8 NW	-		-		-		-		-		3.99		0.84		1.87		2.94		1.08		0.58		0.82		-	
Kramer 5 SE R	0.78		0.32		0.08		-		2.75		-		2.01		1.30		1.09		-		0.20		-		-	
La Moura	0.93		0.06		0.81		0.89		5.25		1.78		0.60		0.40		1.31		-		-		-		-	
Langdnn Exp. Farm	1.72	1.11	0.40	- .23	2.20	1.42	1.70	.47	4.08	2.09	3.40	.16	2.99	.49	0.80	-1.87	3.22	.99	0.73	- .30	1.27	.54	0.39	- .24	22.70	4.63
Laesford	-		-		-		-		-		3.71		2.90		4.08		2.84		0.15		-		-		-	
Larimore	1.84	1.04	0.20	- .35	-	-	1.79	.19	-	-	2.57	- .99	2.94	.00	0.61	-2.10	4.69	2.64	-	-	-	-	-	-	-	-
Leeda	1.23		0.18		1.39		2.29		5.38		2.25		3.09		1.88		1.71		0.89		0.63		0.93		21.65	
Lefur 10 E	-		-		-		-		1.43		2.64		1.03		1.13		1.37		0.71		0.39		0.14		-	

See reference notes following Station Index.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
Linton	0.63	.29	0.35	- .07	1.10	.32	1.45	.17	3.87	1.68	3.36	.11	1.53	- .60	2.87	.78	1.87	.30	0.74	- .30	0.46	.03	0.86	.50	19.26	3.22
Lisbon	0.77	.18	0.04	- .55	1.25	.52	1.11	- .82	8.30	3.53	1.61	-2.09	1.18	-1.72	-	-	-	-	1.07	- .17	0.54	- .09	-	-	-	-
Maddock Agri. School	1.56	1.14	0.14	- .28	1.02	.38	1.47	.35	5.27	3.22	2.47	- .92	1.96	- .70	1.31	-1.00	2.39	.73	0.68	- .30	1.27	.76	0.75	.32	20.32	3.72
Mandan Exp. Station	0.75	.38	0.40	.01	2.82	1.98	2.03	.75	3.13	.87	2.67	- .61	1.31	-1.00	2.46	.68	1.65	.19	0.58	- .34	0.36	- .14	0.72	.27	16.86	3.24
Mandan Fort Lincoln	0.99		0.55		2.12		1.69		3.07		1.78		1.12		0.92		1.74		0.85		0.27		0.82		15.70	
Marmarth	0.63	.21	0.64	.43	1.49	.76	1.29	.22	1.28	-1.01	3.32	.19	0.74	-1.17	1.16	- .46	1.35	.09	1.10	.31	0.72	.35	0.13	- .27	14.05	- .35
Marmarth M.D.U. Co. R	-		-		-		-		-		-		0.87		0.62		1.18		1.64		0.42		0.16		-	
Martin	0.57		0.17		0.77		0.76		1.65		3.05		3.44		-		1.61		0.20		0.94		0.30		-	
Max	0.76	.41	0.25	- .20	1.58	.84	1.96	.71	3.13	.93	2.33	-1.06	0.82	-1.72	1.87	- .01	1.29	- .10	0.47	- .33	0.44	- .06	0.50	.10	15.40	- .48
Mayville	1.59	1.20	0.26	- .18	1.86	1.17	2.01	.48	5.50	2.78	3.30	- .07	0.71	-2.00	0.93	-1.62	3.26	1.22	0.68	- .58	0.50	- .21	0.69	.17	21.31	2.34
McClusky	1.53	1.08	0.44	- .06	3.22	2.44	2.06	.82	3.82	1.36	3.23	- .23	1.68	- .81	1.97	.04	2.57	1.20	0.44	- .55	1.21	.86	0.88	.36	23.25	6.50
McGregor R R 6ta. R	-		-		-		-		-		3.02		-		-		0.50		0.36		0.26		-		-	
McHenry 5 N	1.23	.61	0.11	- .34	0.80	.11	1.04	- .33	3.90	1.59	2.32	-1.15	1.46	-1.34	1.01	-1.31	4.09	2.66	0.73	- .32	0.37	- .17	0.51	.02	17.57	.23
McLeod 3 E	1.25	.89	0.03	- .53	2.17	1.39	1.29	- .70	5.74	2.73	1.20	-2.63	2.44	- .41	0.00	-2.70	1.76	- .27	1.35	- .03	0.67	.04	0.58	.12	18.48	-2.30
McVille	1.42		0.03		2.16		1.48		4.24		2.41		1.94		0.78		4.26		0.65		0.56		0.42		20.35	
Medina 1 W	1.03		0.26		1.93		1.01		7.67		2.97		1.72		1.11		1.77		0.67		-		0.38		-	
Medora TRNMP	0.56		0.44		0.68		1.46		1.01		2.91		0.54		1.63		2.83		0.88		0.38		0.33		14.18	
Melville R	-		0.29		1.02		0.89		3.21		2.77		1.61		0.90		-		0.33		0.17		0.30		-	
Minot CAA AP	1.07	.70	0.29	- .14	1.94	1.33	3.36	2.14	2.90	.74	4.13	1.02	2.19	.14	1.56	- .38	1.03	- .57	0.24	- .67	0.49	- .17	0.61	.15	19.81	4.31
Minot Exp. Farm	0.53		0.06		0.95		2.45		1.84		3.24		2.36		3.67		0.98		0.32		0.20		1.18		16.16	
Moffit RR Station	1.02		0.50		1.19		1.31		2.91		2.13		1.28		2.40		3.06		0.51		0.40		-		-	
Mohall	0.67	.33	0.50	.15	0.43	.28	1.98	1.00	2.71	.73	5.76	2.83	3.41	.86	3.16	1.27	3.67	2.31	0.40	.64	0.11	- .43	0.82	.40	23.82	8.63
Montpelier	0.97		0.12		1.03		1.13		6.65		3.78		2.16		0.84		1.95		0.54		0.22		0.66		20.45	
Mott	0.51	.02	0.53	.05	1.61	.75	-	-	1.62	- .44	2.19	-1.08	1.51	- .62	1.00	- .78	2.16	.79	0.72	- .11	0.54	.08	0.11	- .87	-	-
Munich 4 SW	1.17		0.18		0.45		0.90		4.11		2.54		2.69		1.01		1.87		0.61		0.78		0.36		16.85	
Napoleon 1 SE	1.69	1.28	0.70	.29	2.76	1.89	1.03	- .48	5.06	2.62	3.81	.45	1.18	-1.33	1.43	- .77	1.69	.43	1.01	- .08	0.16	- .42	0.36	- .06	21.11	3.82
New England	0.87	.41	1.16	.67	3.64	2.83	1.68	.48	2.42	.25	1.87	-1.28	1.71	- .42	1.71	.13	1.42	.05	0.76	- .03	0.40	- .05	0.30	- .10	17.94	2.93
New Rockford	0.97		0.12		0.67		1.31		4.52		3.06		1.28		1.00		2.54		-		-		-		-	
New Rockford 7 WNW	0.97		0.21		0.78		1.09		3.41		2.82		1.22		0.72		2.72		0.87		1.36		0.58		16.56	
New Salem 1 S	0.77	.33	0.52	.08	3.22	2.52	1.74	.59	2.61	.21	2.55	- .90	1.75	- .42	0.59	-1.14	2.66	1.35	0.64	- .21	0.26	- .22	0.32	- .19	17.63	2.00
Noonan	-		-		-		-		-		4.34		3.20		0.70		2.00		0.45		0.45		0.60		-	
Northgate R	-		-		-		-		-		3.11		1.58		2.05		-		0.35		0.20		-		-	
Oakes	-	-	0.12	- .34	1.25	.45	1.07	- .80	6.12	3.41	0.36	-3.28	2.03	- .62	0.45	-2.22	1.60	- .16	1.10	- .21	0.22	- .34	0.83	.33	-	-
Park River	0.82	.33	0.05	- .37	1.44	.78	1.30	- .02	4.57	2.63	2.87	- .29	2.43	- .18	0.67	-1.33	4.74	2.59	0.38	- .60	0.43	- .20	0.27	- .24	20.37	2.80
Parshall	1.20	.68	0.36	- .03	0.57	- .01	1.14	.07	1.66	- .49	3.77	.28	1.56	- .66	2.07	.23	1.71	.22	0.40	- .35	0.30	- .09	0.53	.12	15.28	.15
Pembina 2 N	0.85	.22	0.33	- .29	1.00	.20	1.08	- .18	5.27	3.06	4.54	1.35	3.64	1.23	0.81	-1.48	6.38	4.20	-	-	0.46	- .27	0.23	- .36	-	-
Peterahurg	-	-	0.11	- .39	-	-	1.51	.12	3.68	1.42	3.26	- .22	0.98	-1.88	0.97	-1.39	4.20	2.23	0.40	- .77	0.57	- .07	0.51	.03	-	-
Pettibone	2.06	1.70	0.31	- .08	2.50	1.87	1.35	.19	4.82	2.66	1.86	-1.25	2.28	- .48	1.71	- .44	2.68	1.84	0.47	- .52	0.41	- .12	0.80	.46	21.77	5.85
Portal	1.24	.84	0.83	.45	-	-	1.51	.57	3.53	1.46	6.84	3.55	3.55	1.46	1.16	- .80	2.06	.63	0.38	- .46	0.21	- .31	0.85	.40	-	-
Powers Lake 1 N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.65	.03	2.36	1.07	0.40	- .65	0.08	- .40	0.20	- .34	-	-
Pretty Rock	0.81		0.75		3.00		1.55		1.80		3.49		1.76		2.62		2.32		1.03		0.67		0.39		20.19	
Raub P //	-		-		-		1.49		1.39		2.47		-		-		1.38		0.40		-		-		-	
Reader	-		-		-		-		-		2.45		1.35		0.90		1.06		0.68		0.34		0.10		-	
Raeder 14 N	0.33		0.28		2.27		1.46		0.80		2.11		1.37		1.27		1.64		0.62		0.37		0.07		12.58	
Richardton Abbey	1.13	.75	0.55	.14	3.25	2.53	1.83	.41	2.16	- .28	2.66	- .81	1.72	- .74	0.91	- .83	2.07	.75	1.00	.21	1.07	.55	0.60	.18	16.77	2.78
Riverdale	0.94		0.32		0.88		1.30		2.41		2.65		2.28		2.00		2.45		0.61		1.21		0.43		17.66	
Rolette R	-		0.21		0.48		1.20		2.58		2.58		3.78		1.46		1.28		0.41		0.30		0.68		-	
Rolla	1.09	.56	0.20	- .27	0.53	- .37	0.90	- .31	3.88	1.76	4.50	1.10	3.69	1.01	2.06	- .41	1.77	.02	0.61	- .36	0.54	- .01	1.08	.57	20.85	3.28
Rugby	0.99	.58	0.33	- .12	0.70	- .01	1.21	.22	4.02	2.05	3.49	.89	1.83	- .65	1.89	- .11	1.94	.28	0.56	- .33	0.88	.34	0.68	.41	18.70	2.83
Ryder	0.80	.57	0.18	- .30	0.64	.10	1.10	- .01	1.73	- .36	1.81	-1.20	1.17	-1.06	1.55	- .52	1.14	- .36	0.41	- .38	0.40	- .13	0.36	- .10	11.48	-3.76
Sanish	-	-	0.26	- .17	0.52	- .08	1.58	.44	1.40	- .55	3.22	- .15	0.72	-1.30	2.25	.85	2.54	1.20	0.55	- .22	0.26	- .27	-	-	-	-
Sarles R //	1.49		0.38		-		-		-		-		2.96		0.86		1.51		0.81		1.12		0.86		-	
Selfridge	0.57	.14	0.87	.40	3.03	2.17	2.10	.66	3.47	1.35	-	-	2.04	.10	5.39	3.58	1.13	- .35	0.58	- .39	0.19	- .27	0.60	.20	-	-
Sharon	1.28	.81	0.08	- .40	2.29	1.67	1.80	.12	6.73	3.89	4.45	.84	1.20	-1.49	1.54	- .83	4.01	1.88	0.35	- .94	0.54	- .18	0.62	.14	24.89	5.69
Sherwood	0.59		0.38		0.47		2.23		2.83		2.95		2.30		3.15		2.66		0.30		0.56		0.73		19.15	
Sheyenne R	1.13		0.09		1.63		1.42		4.20		2.51		-		-		3.27		0.60		-		-		-	
Shields	-		-		-		-		-		-		-		2.98		1.12		0.66		0.08		0.17		-	
Stanley	0.66	.27	0.34	- .07	1.07	.43	1.30	.13	2.85	.46	3.70	.30	1.88	- .45	2.74	.64	3.18	1.79	0.66	- .16	0.12	- .42	0.91	.46	18.99	3.58
Steele	2.06	1.68	0.60	.22	1.97	1.25	1.32	.14	5.20	2.68	2.82	- .74	1.23	-1.59	2.60	.62	3.18	1.83	0.70	- .42	0.42	- .05	0.94	.45	23.22	5.85
Tagus	0.50	.14	0.23	.19	1.20	.58	1.76	.81	1.63	- .16	2.73	- .32	2.12	.07	2.61	.83	1.57	.17	0.40	- .38	0.19	- .34	0.70	.26	15.84	1.29
Tioga	0.72	.29	0.23	- .14	0.45	- .18	1.25	.27	1.41	- .65	3.73	.67	2.15	.12	-	-	2.27	.99	0.25	- .56	0.09	- .37	0.84	.40	-	-
Tolley 4 NE	-		-		-		-		-		-		-		3.20		3.06		0.40		0.12		0.76		-	
Towner	1.14	.69	0.28	- .20	0.25	- .53	1.30	.30	3.93	1.72	4.28	1.17	2.65	.24	1.36	- .82	0.83	- .89	0.44	- .45	0.72	.19	0.50	.01	17.68	1.63
Trottere	0.52	.09	0.24	- .14	0.85	.06	1.22	.17	1.28	- .97	3.15	- .16	0.48	-1.28	2.96	1.44	3.39	2.16	0.96	- .18	0.28	- .17	0.28	- .14	15.59	1.22
Trottere 3 S R	0.42		0.35		1.07		2.19		1.03		2.94		0.44		2.79		3.48		0.76		0.15		0.34		15.98	
Turtle Lake	-	-	-	-	-	-	-	-	-	-	-	-	1.42	-1.13	1.86	- .30	1.86	.69	0.36	- .48	1.17	.75	0.78	.33	-	-
Tuttle 8 SW	1.13	.70	0.56	.15	1.30	.57	1.22	.14	4.55	2.21	1.91	-1.36	1.40	-1.23	1.46	- .35	3.05	1.63	0.82	- .16	0.38	- .12	-	-	-	-
Underwood 12 W	0.95	.82	0.28	- .16	1.64	.90	1.00	- .07	2.88	.56	2.58	- .84	1.40	-1.00	1.28	- .63	1.85	.45	0.55	- .28	1.41	.66	0.53	.10	16.15	.61
Upham Wildlife Ref.	0.89		0.51		0.07		0.93		3.29		5.74		2.59		1.29		1.34		-		0.23		0.38		-	
Valley City	1.55	1.01	0.07	- .52	1.59	.80	1.07	- .66	5.00	2.22	4.10	.55	1.12	-1.60	0.91	-1.83	2.15	.36	0.53	- .79	0.46	- .22	0.54	- .04	18.09	- .52
Van Hook	0.60		0.20		0.34		1.11		1.44		2.51		0.35		2.37		1.88		0.31		0.24		0.47		11.92	
Velva	1.05	.63	0.26	- .24	0.67	.08	1.13	.04	2.83	.45	3.57	.64	1.52	- .80	1.26	- .96	1.70	.14	0.68	- .27	0.68	.04	0.56	.08	15.71	- .16
Verona	1.38		0.10		-		-		5.40		1.63		0.58		0.28		1.57		1.18		0.28		-		-	
Wahpeton Power Plant R	0.98		0.00		1.43		-		-		-		-		-		2.83		1.10		0.26		0.62		-	
Wahpeton State School	1.48	1.01	0.05	- .42	1.35	.63	1.33	- .75	4.60	2.10	1.28	-2.30	2.49	- .46	2.42	- .45	2.77	.55	0.90	- .54	0.28	- .41	1.15	.65	20.28	- .38
Walhalla	-		-		-		-		-		-		-		-		3.67		0.89		0.63		-		-	
Washburn	1.53	1.21	0.31	- .08	1.54	.65	1.45	.38	3.03	.86	3.64	.25	1.06	-1.54	1.51	- .12	2.46	1.21	0.38	- .54	0.43	- .01	1.00	.57	18.36	3.04
Washburn Water Works R	-		-		-		-		-		-		1.02		1.27		2.50		0.53		0.71		-		-	
Watauga 6. Dak. 8 N	-		-		-		-		-		-		-		3.07		1.34		0.23		0.05		T		-	
Watford City	1.33	.66	0.66	.23	1.43	.74	2.26	1.09	2.03	.04	4.31	1.16	1.27	- .73	2.43	.63	3.04	1.73	0.60	- .27	0.26	- .23	0.49	- .04	20.11	5.41
Watford City 11 E R	-		-		-		-		-		-		-		3.70		2.66		0.64		0.36		0.38		-	
Westhope	1.03	.70	0.56	.24	0.21	- .36	1.38	.51	2.40	.52	4.72	1.71	2.74	.42	2.31	.30	3.46	2.01	0.34	- .46	0.12	- .43	0.61	.48	20.18	5.63
Wildrose	0.60	.31	0.32	- .14	0.77	.15	1.31	.35	1.66	- .02	3.72	.62	3.16	1.20	1.16	- .65	1.97	.76	0.55	- .25	0.16	- .34	0.78	.28	16.60	2.27
Williston WB City R	1.21	.67	0.64	.23	1.43	.74	1.46	.26	1.31	- .75	4.86	1.45	3.20	1.31	1.66	.16	2.62	1.53	0.44	- .42	0.22	- .36	0.58	- .05	18.80	4.60
Willow City	0.76	.23	0.30	- .24	0.15	- .59	0.70	- .26	2.76	.67	4.06	1.01	4.02	1.73	2.33	.28	1.06	- .58	0.51	- .26	0.26	- .26	1.11	.51	16.08	2.40
Wilton RR Station	-	-	0.26	- .11	-	-	1.84	.72	2.18	- .21	2.69	- .59	1.51	- .60	2.68	.87	2.24	.98	0.56	- .39	0.46	- .02	0.73	.26	-	-
Wishek	1.22	.63	0.26	- .14	1.46	.65	0.92	- .48	5.33	2.92	2.07	-1.38	0.76	-1.64	1.05	-1.14	1.56	.11	0.41	- .52	0.14	- .31	0.45	.02	15.85	-1.28
Zahl	-		-		-		-		-		3.54		2.67		0.82		2.26		0.54		0.08		0.50		-	
Section Average	1.04	.55	.33	- .14	1.36	.59	1.36	- .04	3.44	1.16	3.14	- .36	1.92	- .53	1.49	- .58	2.42	.68	0.63	- .41	0.49	- .12	0.57	.06	18.23	1.11

See reference notes following Station Index.

TEMPERATURE EXTREMES AND FREEZE DATA

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
Almont 7 SW	95	7-29+	-33	1-26	5- 1 (22°)	5- 1 (22°)	5- 9 (31°)	10- 2 (26°)	10- 2 (26°)	11- 3 (19°)	186	154	146
Amenia	99	6- 6	-33	1-30	4-28 (20°)	4-29 (27°)	5-15 (32°)	10- 2 (32°)	10- 3 (28°)	10-25 (19°)	180	157	140
Amidon	96	7-28+	-32	1-25	5- 1 (22°)	5- 7 (25°)	6- 1 (31°)	8-19 (31°)	10- 2 (26°)	10- 3 (24°)	155	148	79
Arvilla State Park	93	6- 6+	-39	2-25	4-30 (24°)	-	-	10- 2 (32°)	10- 3 (27°)	10-23 (21°)	176	-	-
Ashley	-	-	-33	1-28	5- 1 (21°)	5- 1 (21°)	6- 3 (30°)	9-13 (30°)	10- 3 (25°)	10- 4 (23°)	156	155	102
Baldhill Dam	98	6- 7	-	-	5- 1 (24°)	5- 1 (24°)	5-15 (30°)	8-20 (32°)	10- 3 (20°)	10- 3 (20°)	155	155	97
Beach	97	9- 4	-34	1-25	5- 1 (23°)	5- 7 (28°)	5-25 (30°)	8-19 (32°)	9-29 (27°)	11- 1 (24°)	184	145	86
Belcourt Indian Res.	90	7-29	-42	1- 4+	5- 2 (24°)	6- 3 (28°)	6- 3 (28°)	8-25 (32°)	9-29 (27°)	10- 4 (21°)	155	118	83
Belfield	96	7-28+	-36	1-26	5- 1 (23°)	5- 9 (28°)	6- 3 (32°)	8-19 (31°)	9-29 (26°)	10- 4 (23°)	156	143	77
Bisbee	93	7-29	-38	1-28	-	5- 2 (28°)	6- 3 (29°)	9-29 (31°)	10- 2 (21°)	10- 2 (21°)	-	153	118
Bismarck WB City	93	6- 6	-39	1-18	4-30 (24°)	4-30 (24°)	5- 7 (30°)	10- 2 (31°)	11- 3 (23°)	11- 3 (23°)	187	187	148
Bismarck WB Airport	95	6-21+	-44	1-18	4-30 (22°)	5- 7 (28°)	5- 8 (32°)	10- 2 (28°)	10- 2 (28°)	11- 3 (21°)	187	148	147
Bottineau	92	9- 5	-41	1-26+	-	6- 3 (28°)	6- 3 (28°)	8-23 (32°)	9-29 (27°)	10- 3 (22°)	-	118	81
Bowbells RR Station	95	7-29+	-36	1-26+	-	-	6- 3 (30°)	8-19 (31°)	10- 2 (28°)	10- 3 (22°)	-	-	77
Bowbells 5 E	-	-	-	-	-	-	-	-	9-29 (26°)	10- 3 (23°)	-	-	-
Bowman Court House	-	-	-28	1-25+	5- 1 (23°)	5- 4 (28°)	5-10 (32°)	9-30 (32°)	10- 2 (25°)	10- 3 (22°)	155	151	143
Butte	94	9- 6	-34	1-18+	4-30 (24°)	5- 7 (27°)	5- 9 (31°)	9-29 (31°)	10- 2 (28°)	11- 3 (19°)	187	148	143
Carrington	94	6-22	-38	1-26	4-29 (20°)	5- 5 (28°)	6- 3 (31°)	10- 2 (30°)	10- 3 (25°)	10-25 (23°)	179	151	121
Carson 2 SW	98	7-29	-38	1-26	5- 1 (23°)	5- 7 (28°)	6- 3 (32°)	8-19 (32°)	10- 2 (28°)	10- 4 (24°)	156	148	77
Cavalier Power Plant	93	7-28+	-37	1-30	4-28 (21°)	4-29 (26°)	-	9-30 (32°)	10-22 (26°)	10-25 (22°)	180	176	-
Center	94	9- 3+	-42	1-18	5- 7 (19°)	6- 3 (26°)	6- 7 (31°)	9-12 (28°)	9-12 (28°)	10- 3 (22°)	149	101	97
Cooperstown	95	6- 6	-37	1-18	4-28 (17°)	5- 1 (27°)	5-15 (31°)	10- 2 (27°)	10- 2 (27°)	10-23 (24°)	178	154	140
Crosby	97	9- 5	-38	1-25+	4-30 (24°)	5- 2 (28°)	5- 9 (32°)	9-12 (31°)	9-29 (28°)	10- 3 (22°)	156	150	128
Devils Lake WB City	92	7-29	-36	1-26	4-28 (23°)	5- 1 (25°)	5-15 (31°)	10- 2 (28°)	10- 2 (28°)	10- 3 (23°)	158	154	140
Dickinson CAA AP	96	9- 4	-35	1-26	4-30 (16°)	5- 7 (28°)	5-25 (32°)	8-19 (32°)	9-29 (28°)	11- 2 (23°)	186	145	86
Dickinson Exp. Station	98	9- 5	-38	1-18	5- 1 (22°)	5- 9 (28°)	5-26 (29°)	9-12 (31°)	9-29 (26°)	10- 4 (23°)	158	143	109
Drake	100	6-23+	-37	1-26	5- 1 (24°)	5- 1 (24°)	5- 9 (32°)	9-29 (32°)	10- 3 (23°)	10- 3 (23°)	155	155	143
Dunn Center	98	9- 5	-41	1-26	5- 1 (23°)	5-26 (28°)	6- 3 (30°)	8-19 (29°)	9-12 (27°)	10- 3 (21°)	155	109	77
Dunseith St. Sanitarium	90	7-28+	-40	1-29	4-30 (24°)	5-15 (26°)	6- 3 (32°)	9-21 (31°)	9-29 (27°)	10- 4 (24°)	157	137	110
Eckman	-	-	-43	1-30	4-29 (23°)	6- 3 (28°)	6- 3 (28°)	-	-	-	-	-	-
Edgeley Exp. Farm	99	6- 8	-32	1-28	5- 1 (22°)	5- 1 (22°)	5- 7 (30°)	10- 2 (31°)	10- 3 (25°)	10-25 (20°)	177	155	148
Edmore 1 W	91	7-29	-39	1-30	4-28 (23°)	5- 1 (26°)	6- 3 (32°)	10- 2 (29°)	10- 3 (20°)	10- 3 (20°)	158	155	121
Elbowoods	98	9- 4	-51	1-26	5- 7 (15°)	5- 7 (15°)	6- 3 (31°)	9-12 (30°)	9-29 (28°)	10- 3 (24°)	149	145	101
Ellsandale	99	6- 6	-30	1-28	5- 1 (23°)	5- 1 (23°)	5- 7 (32°)	10- 2 (32°)	10- 4 (25°)	10-23 (24°)	175	156	148
Epping	99	7-28+	-38	1-24+	4-30 (22°)	5- 7 (27°)	5-29 (31°)	8-19 (32°)	9-29 (27°)	10- 3 (18°)	156	145	82
Fargo WB Airport	99	8- 8	-32	1-26	4-28 (22°)	4-30 (27°)	5- 2 (32°)	10- 2 (30°)	10- 4 (28°)	10-25 (21°)	180	157	153
Fessenden	92	7-27+	-34	1-26	4-30 (22°)	5- 1 (28°)	5- 9 (32°)	10- 2 (29°)	10- 3 (23°)	10- 3 (23°)	156	155	146
Forman	99	6-22	-32	1-26	4-30 (23°)	5- 1 (26°)	-	10- 2 (32°)	10- 3 (28°)	10- 4 (24°)	157	155	-
Fort Yates	98	6- 6	-39	1-26	4-28 (24°)	4-30 (26°)	6- 3 (30°)	9-13 (30°)	10- 3 (26°)	11- 3 (22°)	189	156	102
Foxholm Wildlife Ref.	95	7-28	-40	1- 4+	5- 2 (23°)	5- 7 (28°)	6- 3 (29°)	9-29 (27°)	9-29 (27°)	10-25 (22°)	176	145	118
Fullerton	99	8- 6+	-32	1-26	5- 1 (23°)	5- 1 (23°)	5- 6 (32°)	10- 2 (32°)	10- 3 (26°)	10-25 (23°)	177	155	149
Gackle	-	-	-	-	4-30 (21°)	4-30 (21°)	-	-	-	-	-	-	-
Garrison	95	7-29	-35	1-18+	4-30 (21°)	5- 1 (26°)	6- 3 (32°)	9-12 (32°)	10- 2 (25°)	11- 3 (17°)	187	154	101
Grafton State School	100	7-29	-37	1-30	4-28 (22°)	4-29 (27°)	5-15 (32°)	10- 2 (30°)	10- 3 (27°)	10-22 (22°)	178	157	140
Grand Forks CAA AP	94	6- 8+	-33	1-18+	4-29 (24°)	5- 1 (27°)	5-15 (32°)	10- 2 (31°)	10-21 (28°)	10-25 (23°)	179	173	140
Grand Forks University	97	6- 6	-33	1-18+	4-28 (19°)	5- 2 (28°)	5-15 (32°)	10- 2 (31°)	10- 3 (28°)	10-25 (24°)	180	154	140
Granville	95	9- 5	-39	1-30	4-30 (23°)	5- 7 (27°)	6- 3 (30°)	9-12 (32°)	9-29 (28°)	10- 3 (20°)	156	145	101
Grenora	100	9- 4+	-45	1-15	5- 1 (24°)	5- 7 (27°)	5- 9 (31°)	8-17 (32°)	9-29 (26°)	10- 3 (18°)	155	145	100
Hankinson RR Station	-	-	-27	1-26	5- 1 (23°)	5- 2 (28°)	5- 7 (31°)	10- 2 (32°)	10- 3 (28°)	10-25 (22°)	177	154	148
Hannah	93	7-29	-40	1-26+	5-15 (22°)	5-16 (26°)	6- 3 (31°)	9-23 (32°)	10- 3 (26°)	10-22 (22°)	160	140	112
Hansboro	92	7-29	-42	1-26	5- 7 (24°)	5-15 (28°)	-	9-29 (25°)	9-29 (25°)	10-25 (17°)	171	137	-
Hettinger	98	7-29	-	-	4-29 (14°)	5- 8 (28°)	6- 9 (32°)	10- 1 (32°)	10- 2 (24°)	10- 2 (24°)	156	147	114
Hillsboro	100	6- 6	-34	1-30	4-29 (24°)	5- 1 (28°)	5- 8 (31°)	10- 2 (30°)	10- 3 (25°)	10-23 (21°)	177	155	147
Jamestown CAA AP	98	6- 6	-35	1-18+	4-28 (20°)	5- 1 (26°)	5- 7 (32°)	10- 2 (28°)	10- 2 (28°)	10-24 (22°)	179	154	148
Jamestown State Hospital	101	6- 6	-33	1-18+	4-30 (24°)	5- 1 (26°)	5- 7 (32°)	10- 2 (31°)	10- 3 (27°)	10- 4 (24°)	157	155	148
Kenmare	94	7-29	-35	1-25	4-29 (22°)	5- 7 (26°)	5- 9 (30°)	9-12 (32°)	10- 3 (23°)	10- 3 (23°)	157	149	126
Kensal Wildlife Refuge	94	9- 2	-38	1-26	5- 1 (23°)	5- 5 (27°)	6- 3 (32°)	10- 2 (27°)	10- 2 (27°)	10- 3 (24°)	155	150	121
La Moure	98	6- 8+	-	-	5- 1 (22°)	5- 1 (22°)	5- 7 (31°)	10- 2 (31°)	10- 3 (27°)	-	-	155	148
Langdon Exp. Farm	92	9- 6	-40	1-30	4-29 (21°)	6- 3 (28°)	6- 3 (28°)	9-29 (31°)	10- 2 (28°)	10-22 (23°)	176	121	118
Larimore	-	-	-	-	5- 1 (20°)	5- 2 (27°)	5-15 (30°)	-	-	-	-	-	-
Leeds	95	7-29+	-39	1-30	5- 7 (19°)	5- 7 (19°)	6- 3 (32°)	9-29 (32°)	10- 3 (21°)	10- 3 (21°)	149	149	118
Linton	100	6- 8	-44	1-26	5- 1 (22°)	5- 1 (22°)	8- 3 (32°)	9-14 (30°)	10- 3 (24°)	10- 3 (24°)	155	155	103
Lisbon	99	6-23	-31	1-18+	4-30 (24°)	5- 1 (27°)	5- 7 (32°)	8-20 (32°)	10- 4 (24°)	10- 4 (24°)	157	156	105
Maddock Agri. School	92	7-27+	-39	1-28	4-29 (22°)	5- 1 (27°)	6- 3 (31°)	-	-	-	-	-	-
Mandan Exp. Station	94	7-30	-37	1-18	4-30 (20°)	5- 7 (28°)	8- 3 (32°)	9-12 (32°)	10- 3 (27°)	11- 3 (21°)	187	149	101
Mandan Ft. Lincoln Pk	97	6-21+	-44	1-18	4-30 (20°)	5- 1 (28°)	6- 3 (32°)	10- 2 (30°)	10- 3 (27°)	11- 3 (21°)	187	155	121
Marmarth	97	9- 4	-32	1-25+	5- 1 (23°)	5- 7 (27°)	4-26 (31°)	8-19 (31°)	10- 2 (28°)	10-24 (24°)	176	148	115
Max	95	7-29	-39	1-26	4-30 (23°)	4-30 (23°)	6- 3 (32°)	9-29 (27°)	9-29 (27°)	10- 3 (21°)	156	152	118
Mayville	97	6- 6	-34	2-25	4-28 (17°)	5- 1 (26°)	5-15 (32°)	10- 2 (32°)	10- 3 (28°)	10-23 (24°)	178	155	140
McClusky	92	7-27+	-35	1-26	5- 1 (23°)	6- 3 (28°)	6- 3 (28°)	10- 2 (29°)	10- 3 (22°)	10- 3 (22°)	155	122	121
McHenry 5 N	91	6- 6+	-37	1-26	5- 1 (24°)	5-15 (28°)	6- 3 (30°)	10- 2 (29°)	10- 3 (23°)	10- 3 (23°)	155	141	121
McLeod 3 E	97	8-22	-33	1-26	4-30 (20°)	5- 1 (25°)	5- 9 (32°)	10- 2 (31°)	10- 3 (25°)	10-24 (20°)	177	155	146
Medora TR N Mem Pk	100	9- 4	-49	1-26	4-30 (16°)	6- 3 (28°)	6- 3 (28°)	8-19 (29°)	9-29 (23°)	9-29 (23°)	152	118	77
Minot CAA AP	94	7-28	-33	1-26	4-29 (22°)	5- 7 (28°)	5- 9 (31°)	9-29 (31°)	10- 2 (24°)	10- 2 (24°)	156	148	143
Minot Exp. Farm	93	7-28	-35	1-26	4-29 (20°)	6- 3 (25°)	8- 3 (25°)	9-29 (31°)	10- 2 (28°)	10- 3 (21°)	157	121	118
Moball	93	7-28	-38	1-26	4-30 (24°)	5- 7 (25°)	6- 3 (32°)	9-29 (30°)	10- 2 (28°)	10- 3 (24°)	156	148	118
Mott	94	7- 7+	-41	1-26	5- 1 (24°)	5- 1 (24°)	6- 3 (32°)	8-19 (31°)	10- 2 (28°)	10- 3 (24°)	155	154	77
Municb 4 SW	92	9- 5	-42	1-28+	5- 1 (24°)	5- 1 (24°)	6- 3 (30°)	9-29 (30°)	10- 3 (22°)	10- 3 (22°)	155	155	118
Napoleon 1 SE	95	8- 6	-35	1-26	5- 1 (21°)	5- 7 (26°)	6- 3 (32°)	9-13 (29°)	10- 3 (27°)	11- 2 (23°)	185	149	102
New England	96	7-28	-37	1-18	5- 1 (22°)	5- 7 (28°)	5-25 (31°)	8-19 (31°)	9-29 (28°)	10- 3 (24°)	155	145	86
New Salem 1 S	95	7-16+	-36	1-26	4-30 (23°)	5- 7 (25°)	5- 9 (31°)	10- 2 (30°)	10- 3 (24°)	10- 3 (24°)	156	149	146
Oakes	98	6- 7+	-32	1-26	4-30 (24°)	5- 1 (25°)	5- 7 (32°)	10- 2 (32°)	10- 3 (32°)	10-25 (21°)	178	155	148
Park River	93	9- 6	-32	1-18	4-28 (18°)	5-15 (27°)	5-15 (27°)	10- 2 (32°)	10-22 (26°)	10-23 (23°)	178	160	140
Parshall	95	7-28+	-45	1-18	5- 7 (24°)	5-25 (28°)	6- 3 (30°)	8-19 (32°)	9-29 (25°)	10- 3 (19°)	149	127	77
Pembina 2 N	92	9- 6	-42	1-30	4-28 (24°)	4-29 (28°)	-	8-20 (32°)	-	-	-	-	-
Petersburg	91	6-22+	-	-	5- 1 (24°)	5- 2 (28°)	5-15 (30°)	10- 1 (31°)	10- 2 (27°)	10-23 (24°)	175	153	139
Pettibone	98	6- 8	-40	1-26	5- 1 (20°)	5- 1 (20°)	6- 3 (31°)	9-14 (32°)	10- 3 (25°)	11- 3 (21°)	186	155	103
Portal	95	7-29	-39	1-25	5- 1 (24°)	5- 2 (28°)	5-10 (32°)	8-19 (32°)	10- 1 (28°)	10- 3 (21°)	155	152	101
Richardton Abbey	95	7-27+	-32	1-25	5- 1 (23°)	5- 9 (28°)	5- 9 (28°)	10- 1 (32°)	10- 2 (28°)	11- 3 (18°)	186	146	145
Riverdale	94	6-21+	-	-	4-30 (23°)	5- 7 (25°)	5- 9 (30°)	10- 2 (29°)	10- 3 (24°)	10- 3 (24°)	156	149	146
Rolla	90	7-28+	-40	1-26	4-28 (20°)	5- 7 (25°)	6- 3 (32°)	-	9-29 (28°)	10- 4 (24°)	159	145	-
Rugby	93	7-28+	-38	1-30	4-28 (24°)	4-30 (27°)	6- 3 (32°)	9-29 (31°)	10- 3 (23°)	10- 3 (23°)	158	156	118
Sanish	99	9- 5	-46	1-26+	5- 1 (22°)	5-25 (28°)	6- 2 (29°)	8-17 (32°)	10- 3 (20°)	10- 3 (20°)	155	131	76
Sharon	92	8- 6	-35	1-28	5- 1 (22°)	5- 1 (22°)	5-15 (31°)	10- 2 (30°)	10- 3 (25°)	11- 7 (18°)	190	155	140
Stanley	96	9- 4	-40	1- 4+	5-25 (24°)	5-25 (24°)	5-27 (31°)	8-19 (30°)	9-29 (26°)	10- 2 (21°)	130	127	84
Steele	94	6- 6	-42	1-26	5- 7 (24°)	5- 7 (24°)	5-13 (32°)	9-13 (32°)	10- 2 (27°)	10- 3 (23°)	149	148	123

See reference notes following Station Index.

TEMPERATURE EXTREMES AND FREEZE DATA

Table 3—Continued.

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
Towner	94	9- 5	-42	1-30	4-29 (23°)	5- 7 (27°)	6- 3 (29°)	9-12 (31°)	9-21 (28°)	10- 3 (22°)	157	137	101
Turtle Lake	-	-	-38	1-26	5- 1 (19°)	-	-	9-29 (32°)	10- 3 (23°)	10- 3 (23°)	155	-	-
Underwood 12 W	97	7-29	-46	1-26	5- 7 (23°)	6- 3 (28°)	6- 3 (28°)	9-12 (31°)	9-29 (27°)	10- 3 (22°)	149	118	101
Upham Wildlife Refuge	96	7-29	-42	1-26+	5- 7 (23°)	6- 3 (28°)	6- 3 (28°)	8-17 (31°)	9-29 (28°)	10- 3 (21°)	149	118	75
Valley City	100	6- 6	-33	1-30	4-28 (18°)	5- 1 (28°)	5- 3 (32°)	10- 3 (26°)	10- 3 (26°)	10-25 (19°)	180	155	153
Van Hook	98	9- 4	-46	1-26	5-29 (24°)	5-26 (28°)	6- 3 (31°)	9-29 (27°)	9-29 (27°)	10- 3 (20°)	127	126	118
Velva	93	9- 5	-40	1-18+	5- 2 (21°)	5- 6 (27°)	5- 9 (31°)	10- 2 (30°)	10- 3 (25°)	11- 1 (23°)	185	150	146
Wahpeton State School	100	6- 6	-31	1-26	4-28 (20°)	4-30 (27°)	5- 1 (29°)	10- 2 (32°)	10- 3 (28°)	11- 3 (23°)	189	156	154
Washburn	93	9- 6	-34	1-26	4-30 (23°)	5- 7 (27°)	5- 9 (32°)	10- 2 (30°)	10- 4 (28°)	11- 3 (20°)	187	150	148
Watford City	98	9- 4	-39	1-18	5- 7 (24°)	5- 7 (24°)	5-25 (32°)	9-12 (32°)	9-29 (27°)	10- 3 (24°)	149	145	110
Westhope	-	-	-43	1-26	4-28 (19°)	5- 7 (26°)	5-15 (32°)	9-29 (30°)	10- 3 (22°)	10- 3 (22°)	158	149	137
Williston WB City	97	7-28+	-37	1-26	4-28 (24°)	5- 1 (26°)	5- 9 (32°)	9-30 (32°)	10- 3 (24°)	10- 3 (24°)	158	155	144
Willow City	92	9- 5	-45	1-18+	4-29 (24°)	4-30 (26°)	6- 3 (31°)	9-21 (32°)	10- 3 (22°)	10- 3 (22°)	157	156	110
Wilton RR Station	91	7-28+	-37	1-18	-	-	5- 9 (30°)	8-20 (31°)	10- 3 (24°)	10- 3 (24°)	-	-	103
Wishek	-	-	-35	1-26	5- 1 (18°)	5- 1 (18°)	6- 3 (32°)	9-13 (26°)	9-13 (26°)	10- 3 (24°)	155	135	102

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Dickinson Exp. Station	a	EVAP	-	-	-	2.40B	4.61B	6.54	6.72	6.57	4.43	-	-	-	-
		DEP				-1.29	-1.00	.45	-1.25	- .68	- .55				
		WIND	-	-	-	5275	4701	4485	3285	3155	2895	-	-	-	-
Edgeley Exp. Farm		EVAP	-	-	-	-	-	-	-	-	4.43B	-	-	-	-
		DEP													
		WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
Mandan Exp. Station	a	EVAP	-	-	-	2.32	4.92	8.58	5.98	5.83	4.00	-	-	-	-
		DEP				-1.30	- .42	.63	-1.35	- .74	- .51				
		WIND	-	-	-	4502	4789	4251	2927	3004	3151	-	-	-	-
Riverdale		EVAP	-	-	-	-	-	11.09	8.77	7.52	6.81	4.05B	-	-	-
		DEP													
		WIND	-	-	-	-	-	5303	3371	3208	3538	3965	-	-	-

a Pan 6 feet in diameter; 24 inches deep; in ground 20 inches.

See reference notes following Station Index.

STATION INDEX

Station	Index No.	County	Drainage‡	Latitude	Longitude	Elevation	Years of record: Temp.	Years of record: Precip.	Years of record: Evap.	Opened or closed during yr.: Month opened	Opened or closed during yr.: Month closed	Refer to tables
Adams 7 S	0022	Walsh	10	48 20	98 06	-		-				2
Aleaander RR Station	0096	McKenzie	13	47 50	103 38	1200		9				2
Almont 7 SW	0136	Morton	4	46 43	101 39	2300	8	8				1 2 3
Alpha 1 S	0149	Golden Valley	7	46 37	103 49	-		25				2
Ambrose	0189	Divide	12	48 58	103 28	2060				June		2
Amenia	0196	Cass	11	47 00	97 13	860	1	1				1 2 3
Amidon	0209	Slope	1	46 30	103 19	2910	29	29				1 2 3
Antler	0263	Bottineau	12	48 58	101 20	1540				June		2
Arvilla State Park	0369	Grand Forks	10	47 56	97 30	860	7	7				1 2 3
Ashley	0382	McIntosh	8	46 02	99 22	2025	55	55				1 2 3
Baldhill Dam	0430	Barnes	11	47 02	98 05	1300	3	3				1 2 3
Balfour	0492	McHenry	12	47 57	100 32	1615		10				2
Balta	0500	Pierce	11	48 10	100 02	-				July		2
Bantry	0516	McHenry	12	48 30	100 36	-				July		2
Beach	0590	Golden Valley	7	46 55	104 01	2814	-	-				1 2 3
Belcourt Indian Res.	0626	Rolette	9	48 50	99 45	1960	6	6				1 2 3
Belfield	0639	Stark	4	48 52	103 11	2592	33	33				1 2 3
Berthold	0729	Ward	12	48 19	101 44	2080				June		2
Beulah	0766	Mercer	6	47 16	101 47	1780		36				2
Bisbee	0796	Towner	2	48 37	99 22	1600	48	48				1 2 3
Bismarck WB City	0814	Burleigh	8	46 48	100 48	1670	76	76				1 2 3
Bismarck WB Airport	0819	Burleigh	8	46 46	100 45	1650	11	11				1 2 3
Bottineau	0941	Bottineau	12	48 50	100 27	1638	59	59				1 2 3
Bowbelle	0961	Burke	12	48 48	102 15	1953	25	25				1 2 3
Bowbelle 5 E	0966	Ward	12	48 47	102 08	1925				Aug.		1 2 3
Bowman Court House	0995	Bowman	3	46 11	103 23	2872	36	38				1 2 3
Brelen	1052	Morton	1	46 24	100 57	1720		-				2
Butte	1225	McLean	12	47 50	100 40	1880	26	26				1 2 3
Cando	1288	Towner	2	48 29	99 12	-				July		2
Carrington	1360	Foster	5	47 27	89 08	1579	53	53				1 2 3
Carson	1365	Grant	4	46 25	101 34	2300		1				2
Careon 2 SW	1370	Grant	4	46 23	101 25	2500	39	39				1 2 3
Cavalier	1435	Pembina	9	48 48	97 38	894	15	43				1 2 3
Center	1456	Oliver	8	47 07	101 18	2100	13	13				1 2 3
Colgate	1686	Steele	10	47 14	97 39	1180		17				2
Columbus	1696	Burke	12	48 54	102 47	1930				June		2
Cooperstown	1766	Griggs	11	47 26	98 07	1428	54	54				1 2 3
Courtenay	1816	Stutsman	5	47 13	98 23	1523		17				2
Crosby	1871	Divide	12	48 54	103 18	1954	44	44				1 2 3
Dawson	2018	Kidder	8	46 52	99 45	1730		10				2
Devils Lake WB City	2158	Ramsey	2	48 07	98 52	1471	48	75				1 2 3
Dickinson CAA AP	2183	Stark	4	46 48	102 48	2587	10	10				1 2 3
Dickinson Exp. Station	2188	Stark	4	46 53	102 48	2460	59	59				1 2 3 4
Donnybrook	2242	Ward	12	48 31	101 53	1760				June		2
Drake	2298	McHenry	12	47 55	100 22	1634	21	21				1 2 3
Dunn Center	2365	Dunn	6	47 21	102 37	2191	52	52				1 2 3
Dunseith St. Sanitarium	2385	Rolette	12	48 50	100 02	2001	55	55				1 2 3
Eckman	2472	Bottineau	12	48 39	101 03	1500	45	45				1 2 3
Edgeley Exp. Farm	2482	La Moure	5	46 20	98 42	1568	50	50				1 2 3 4
Edmore 1 W	2525	Ramsey	2	48 25	98 29	1524	27	27				1 2 3
Elbowoods	2570	McLean	B	47 35	102 09	2082	58	58				1 2 3
Elgin 5 S	2592	Grant	1	46 21	101 49	-				July		2
Ellendale	2605	Dickey	5	46 00	98 31	1460	52	52				1 2 3
Epping	2735	Williams	8	48 18	103 21	2224	42	42				1 2 3
Esmond	2767	Bennon	11	48 02	99 46	1650		1				2
Fairfield 8 N	2809	Billings	7	47 19	103 12	2650		23				2
Fargo WB Airport	2859	Cass	10	46 54	96 48	895	70	70				1 2 3
Fessenden	2949	Wells	5	47 39	99 37	1610	39	39				1 2 3
Flasher	3009	Morton	1	46 27	101 14	1930		1				2
Flaxton	3019	Burke	12	48 54	102 23	1940				June		2
Forman	3117	Sargent	10	46 06	97 38	1249	59	59				1 2 3
Fort Yates	3207	Sioux	8	46 06	100 38	1640	51	51				1 2 3
Foxholm Wildlife Refuge	3217	Ward	12	48 27	101 33	1609	28	30				1 2 3
Fryburg	3277	Billings	4	48 53	103 1B	2790		1				2
Fullerton	3287	Dickey	5	46 10	88 25	1439	53	53				1 2 3
Gackle	3309	Logan	5	46 38	99 08	1851	20	20				1 2 3
Garrison	3376	McLean	8	47 38	101 25	1911	74	74				1 2 3
Gladstone 22 N	3446	Dunn	6	47 11	102 39	-				June		2
Glen Ullin	3496	Morton	4	46 49	101 49	2090		10				2
Glen Ullin 16 W	3501	Mercer	6	47 04	102 47	-				Aug.		2
Golden Valley 10 S	3529	Mercer	6	47 10	102 03	-				Aug.		2
Golva 1 SE	3556	Golden Valley	7	46 47	103 57	2780	10	10				2
Grafton State School	3594	Walsh	10	48 25	97 26	827	59	59				1 2 3
Grand Forks CAA AP	3618	Grand Forks	10	47 56	87 05	834	10	10				1 2 3
Grand Forks University	3B21	Grand Forks	10	47 55	97 05	830	60	60				1 2 3
Grand Rapids 1 N	3665	La Moure	5	46 29	98 21	1360				Oct.		1 2 3
Grano	3676	Renville	12	48 37	101 35	1625		-				2
Granville	3686	McHenry	12	48 16	100 51	1504	44	44				1 2 3
Grassy Butte	3696	McKenzie	7	47 24	103 14	2660				June		2
Grassy Butte 10 N	3701	McKenzie	7	47 31	103 14	-				Aug.		2
Grenora	373B	Williams	8	48 37	103 46	2114	42	42				1 2 3
Haley	3836	Bowman	3	48 5B	103 08	-				June		2
Halliday	384B	Dunn	6	47 21	102 20	2073		9				2
Hankinson R R Station	3908	Richland	10	46 04	96 54	1068	22	22				1 2 3
Hannaford	3926	Griggs	11	47 18	98 12	1428		10				2
Hannah	3938	Cavalier	9	48 59	96 41	1570	57	57				1 2 3
Hansboro	39B3	Towner	9	48 57	99 23	1597	43	43				1 2 3
Harvey Water Works	4013	Wells	11	47 45	89 53	1598		48				2
Haynes B NE	4073	Adams	1	46 01	102 24	2840		1				2
Hazelton R R Station	4083	Emmons	8	46 29	100 17	1978		10				2
Hettinger	4178	Adams	3	46 00	102 38	2680	44	44				1 2 3
Hillsboro	4203	Traill	10	47 24	97 04	901	45	45				1 2 3
Hurdsfield	4343	Wells	5	47 27	99 55	1915		10				2
Jamestown CAA AP	4413	Stutsman	5	46 55	98 41	1497	10	10				1 2 3
Jamestown State Hospital	4418	Stutsman	5	48 53	98 40	1457	59	59				1 2 3
Keene	4571	McKenzie	8	48 00	102 55	-				Aug.		2
Kenmare	4646	Ward	12	48 40	102 05	1800	19	19				1 2 3
Kensal Wildlife Refuge	4656	Stutsman	5	47 15	98 52	1440	10	10				1 2 3
Killdeer 8 NW	4726	Dunn	7	47 26	102 53	2240				June		2
Kramer 5 SE	4623	Bottineau	12	48 39	100 37	-		11				2
La Moure	4937	La Moure	5	46 21	98 18	1382	3	3			Oct.	1 2 3
Langdon Exp. Farm	4958	Cavalier	9	48 45	98 21	1815	55	55				1 2 3
Lansford	5002	Bottineau	12	48 38	101 22	1800				June		2
Larimore	5013	Grand Forks	10	47 54	97 3B	1134	5B	58				1 2 3
Leeds	5078	Benson	2	48 17	98 26	1515	10	10				1 2 3
Lefor 10 E	5086	Stark	4	46 38	102 21	2580				May		2
Linton	5210	Emmons	8	46 18	100 14	1711	34	34				1 2 3
Lisbon	5220	Ransom	11	46 26	97 41	1091	47	47				1 2 3
Maddock Agri. School	5434	Benson	11	47 58	99 30	1604	38	38				1 2 3
Mandan Exp. Station	5479	Morton	4	46 46	100 54	1750	37	37				1 2 3 4
Mandan Ft. Lincoln Park	5484	Morton	8	46 47	100 52	1700	7	7				1 2 3
Manning	5519	Dunn	8	47 14	102 48	-		9			Apr.	2
Marmarth	5573	Slope	7	46 18	103 55	2714	38	42				1 2 3
Marmarth M D U CO.	5575	Slope	7	46 18	103 55	2710				June		2
Martin	5610	Sheridan	11	47 50	100 07	1610		1				2
Max	5638	McLean	8	47 49	101 17	2093	22	22				1 2 3
Meyville	5B60	Traill	10	47 30	97 18	- 975	55	55				1 2 3
McClusky	5710	Sheridan	6	47 29	100 29	1943	2B	33				1 2 3
McGregor R R Station	5720	Williams	6	48 36	102 56	-		10				2
McHenry 5 N	5730	Eddy	11	47 3B	98 35	1509	28	28				1 2 3
McLeod 3 S	5754	Richland	11	46 24	97 14	1075	39	39				1 2 3
McVille	5764	Nelson	10	47 46	98 11	1487		7				2
Medina 1 W	5798	Stutsman	8	46 53	99 19	-		10				2
Medora TRNMP	5813	Billings	7	46 58	103 30	2250	-	-				1 2 3
Melville	5833	Foster	5	47 20	99 02	1825		1				2
Minot CAA AP	5988	Ward	12	48 15	101 17	1724	55	55				1 2 3
Minot Exp. Farm	5993	Ward	12	48 10	101 18	1720	5	5				1 2 3
Moffitt R R Station	6015	Burleigh	8	46 41	100 18	1760		8				2
Mohall	6025	Renville	12	48 46	101 31	1639	57	57				1 2 3
Montpelier	6105	Stutsman	5	46 42	98 35	-		10				2
Mott	6155	Hettinger	1	46 23	102 20	2420	44	44				1 2 3
Munich 4 SW	6195	Cavalier	9	48 38	98 53	1598	3	3				1 2 3
Napoleon 1 SE	6255	Logan	8	46 29	99 45	1955	59	59				1 2 3
New England	8315	Hettinger	1	46 33	102 52	2621	59	59				1 2 3
New Rockford	6350	Eddy	5	47 41	99 08	1555		1			Oct.	2
New Rockford 7 WNW	6355	Eddy	5	47 33	99 16	1550		1				2
New Salem 1 S	6365	Morton	4	46 50	101 25	2163	47	47				1 2 3
Nonan	6455	Divide	12	48 53	103 01	1960				June		2
Northgate	6535	Burke	12	49 00	102 16	1850				June		2
Oakes	6620	Dickey	5	46 08	98 05	1320	22	22				1 2 3
Park River	6857	Walsh	10	48 23	97 45	988	47	47				1 2 3
Parshall	6867	Mountrail	8	47 57	102 08	1929	19	36				1 2 3
Pembina 2 N	6947	Pembina	10	49 00	97 14	790	77	77				1 2 3
Petersburg	7027	Nelson	10	48 01	98 00	1524	7	20				1 2 3
Pettibone	7047	Kidder	8	47 07	99 31	1860	42	42				1 2 3
Portal	7201	Burke	12	49 00	102 33	1954	37	37				1 2 3
Powers Lake 1 N	7281	Burke	8	48 34	102 38	2205	25	46				1 2 3
Pretty Rock	7311	Grant	1	46 11	101 51	-		10				2
Rauh	7405	McLean	8	47 44	102 04	-		10				2
Reeder	7450	Adams	3	46 06	102 57	2810				June		2
Reeder 14 N	7452	Slope	1	46 19	102 57	2860		1				2
Richardton Abbey	7530	Stark	4	46 53	102 19	2467	35	35				1 2 3
Riverdale	7585	McLean	8	47 30	101 21	1810	-	-				1 2 3 4
Rolette	7655	Rolette	12	48 40	99 50	1625		1				2
Rolla	7664	Rolette	9	48 52	99 37	1860	13	13				1 2 3
Rugby	7704	Pierce	12	48 22	100 00	1560	3	22				1 2 3
Ryder	7749	Ward	8	47 55	101 40	2108		22				2
Sanish	7834	Mountrail	8	47 59	102 32	1835	25	25				1 2 3
Sarles	7844	Cavalier	9	48 57	99 00	1585		10				2
Selfridge 11 W	7852	Sioux	8	46 01	101 10	2183		14				2
Sharon	7986	Steele	10	47 36	97 54	1516	24	27				1 2 3
Sherwood	8047	Renville	12	49 00	101 38	1647		3				2
Sheyenne	8057	Eddy	11	47 50	99 07	1500		-				2
Shield	8065	Grant	1	46 14	101 07	-				July		2
Stanely	8276	Mountrail	8	48 19	102 24	2260	13	13				1 2 3
Steele	8366	Kidder	B	48 51	99 55	1857	57	57				1 2 3
Tagus	8827	Mountrail	12	48 20	101 56	2179		22				2
Tioga	8737	Williams	8	48 24	102 56	2279		22				2
Tolley 4 NE	8764	Renville	12	48 46	101 47	-				July		2
Towner	8792	McHenry	12	48 21	100 24	1482	49	49				1 2 3
Trottere	8807	Golden Valley	13	47 20	103 54	2420		25				2
Trottere 3 6	8812	Golden Valley	13	47 17	103 54	2420		1				2
Turtle Lake	8840	McLean	8	47 31	100 53	1899	37	37				1 2 3
Tuttle 8 SW	8850	Kidder	8	47 02	100 04	1936		42				2
Underwood 12 N	8877	McLean	8	47 2B	101 24	1750	26	39				1 2 3
Upham Wildlife Refuge	8913	McHenry	12	48 37	100 44	1425	10	10				1 2 3
Valley City	8937	Barnes	11	46 55	98 00	1229	46	46				1 2 3
Van Hook	8970	Mountrail	8	47 57	102 21	1864	10	10				1 2 3
Velva	8990	McHenry	12	48 03	100 55	1511	24	24				1 2 3
Verona	9035	La Moure	5	46 22	98 04	-		10				2
Wahpeton Power Plant	9095	Richland	10	48 17	96 36	962		10				2
Wahpeton State School	9100	Richland	10	46 16	96 36	962	59	59				1 2 3
Walhalla	9155	Pembina	9	48 56	97 54	950		10				2
Washburn	9195	McLean	8	47 17	101 02	1731	48	48				1 2 3
Washburn Water Works	9205	McLean	8	47 17	101 02	1730				June		2
Watauga 8 N, S. Dak.	9219	Grant	1	46 02	101 34	-				July		2
Watford City	9233	McKenzie	8	47 48	103 17	2084	38	38				1 2 3
Watford City 11 E	9238	McKenzie	8	47 47	103 02	-				Aug.		2
Westhope	9333	Bottineau	12	48 55	101 01	1508	45	45				1 2 3
Wildrose	9400	Williams	8	48 38	103 10	2258		21				2
Willinton WB City	9425	Williams	8	48 09	103 35	1877	72	72				1 2 3
Willow City	9445	Bottineau	12	48 36	100 17	1471	59	59				1 2 3
Wilton R R Station	9455	McLean	B	47 09	100 48	2159	16	16				1 2 3
Wishek	9515	McIntosh	B	46 16	99 34	2010	30	30				1 2 3
Zahl	9635	Williams	B	48 34	103 41	2000				June		2

‡ Drainage Code: 1. Cannonball 2. Devils Lake 3. Grand 4. Heart 5. James 6. Knife 7. Little Missouri 8. Missouri 9. Pembina 10. Red 11. Sheyenne 12. Souris 13. Yellowstone

RELOCATIONS OR CHANGES IN EXPOSURE OF INSTRUMENTS

Bowbelle: Equipment moved 1 block weet of old site on May 13.

Cavalier Power Plant: Equipment movsd 3 blocks soutb and 1 block weet of old eite on August 28.

Daweon: Rain gage moved 5 blocke northwest of old eite on June 1.

Esmond: Rain gage moved 1 block nortbeaet of old eite on July 14.

Gackle: Equipment moved 1 1/2 blocks eouth and 2 blocke eaet of old eite on November 16.

Glen Ullin: Rain gage moved 3 blocke wsst and 1 1/2 blocks north of old sits on Novemher 1.

Hannaford: Rain gage moved 1 block nortbeaet of old eite on July 13.

Hettinger: Equipment moved 1 1/2 blocke nortb and 2 1/2 blocks east of old eite on August 10.

New Rockford 7 WNW: Rain gage moved 1 mile weet and 1 mile soutb of old site on October 23.

Pembina 2 N: Equipment moved 3 milee nortb of old eite on October 19.

Powere Lake 1 N: Equipment moved .8 mile nortb of old eite on September 22.

Sheyenne: Rain gage moved 2 blocks nortbeaet of old site on August 23.

Trotters 3 S: Rain gage moved 3 milee soutb of old eite on October 11.

Turtle Lake: Equipment movsd 2 blocke northeast of old eite on July 21.

Walballa: Rain gage moved 1 block west and 5 blocks nortb of old eite on Auguet 25.

REFERENCE NOTES

Unleee otberwiee indicated, dimeneional units used in this bulletin are: Temperaturs in °F; precipitation and evaporation in inchee, and wind movement in miles. Evaporation is measured on the etandard Weather Bureau type pan of 4 foot diameter unleee otherwise sbown by footnote following Table 4.

The four digit identification numbers in tbe Index are assignsd on a state basie. Tbere will he no duplication of numbers witbin a state.

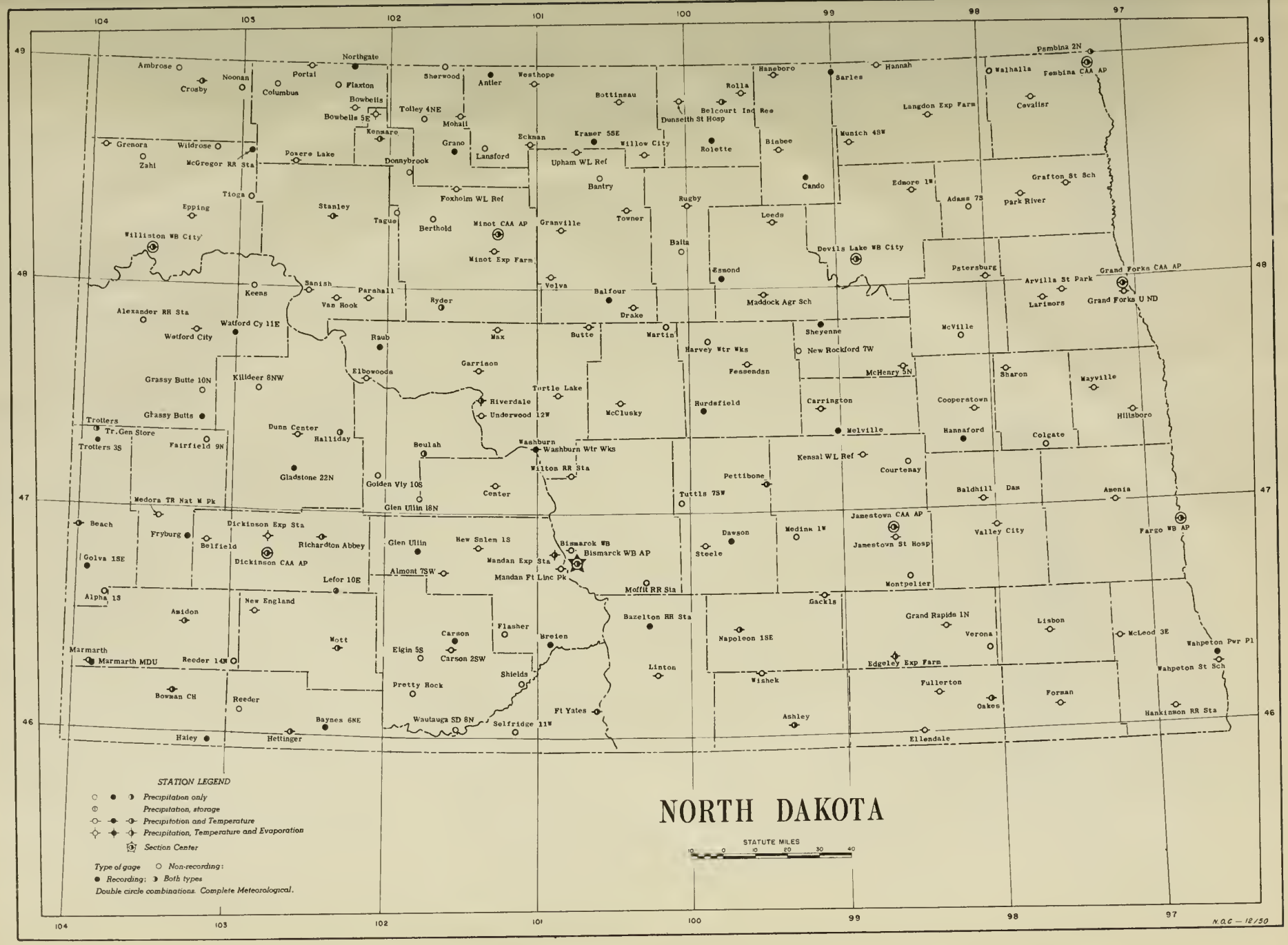
Figures and letters following the etation name, sucb ae 12 SSW, indicate distance in miles and direction from tbe poet office.

Delayed data and corrections will be carried in tbe June and December iesuee of Climatological Data.

- \- No record.
- \+ Also later date (dates) or montbe.
- * Amount included in following meaeurement.
- // Gage is equipped witb a windsbield.
- B Adjusted to full month.
- E Water equivalent of snowfall wbolly or partially estimated, ueing a ratio of 1 incb of water equivalent to every 10 incbss of new enowfall.
- M 1 to 9 days' record missing; eee montbly Climatological Date for detailed daily record.
- R Station equipped witb a recording gage only.
- T Trace, an amount too small to measure.
- V Includes total for previous montb.

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104
103
102
101
100
99
98
97
49
48
47
46
Northgate
Ambrose
Noonan
Portal
Crosby
Columbus
Flaxton
Bowbells
Bowbells 5E
Tolley 4NE
Sherwood
Antler
Westhope
Mohall
Kenmare
Grano
Lansford
Eckman
Kramer 5SE
Willow City
Upham WL Ref
Bottineau
Rolla
Dunseith St Hosp
Belcourt Ind Res
Haneboro
Sarles
Hannah
Pembina 2N
Walhalla
Pembina CAA AP
Langdon Exp Farm
Cavalier
Munich 4SW
Rolette
Bisbee
Grenora
Zahl
Wildrose
McGregor RR Sta
Powers Lake
Donnybrook
Bantry
Cando
Edmore 1W
Grafton St Sch
Park River
Adams 7S
Tioga
Foxholm WL Ref
Rugby
Epping
Stanley
Tagus
Berthold
Minot CAA AP
Granville
Towner
Leeds
Devils Lake WB City
Minot Exp Farm
Balta
Esmond
Pstersburg
Arvilla St Park
Grand Forks CAA AP
Grand Forks U ND
Larimore
Williston WB City
Keene
Sanish
Parshall
Van Hook
Ryder
Velva
Balfour
Drake
Maddock Agr Sch
Alexander RR Sta
Watford Cy 11E
Wetford City
Raub
Max
Butte
Martin
Harvey Wtr Wks
Sheyenne
New Rockford 7W
McVille
Elbowoods
Garrison
Feasendsn
McHenry 5N
Sharon
Mayville
Grassy Butte 10N
Killdeer 8NW
Turtle Lake
Riverdale
Underwood 12W
McClusky
Hurdsfield
Carrington
Cooperstown
Hillsboro
Grassy Butte
Trotters
Tr.Gen Store
Trotters 3S
Fairfield 9N
Dunn Center
Halliday
Gladstone 22N
Beulah
Washburn
Washburn Wtr Wks
Wilton RR Sta
Golden Vly 10S
Center
Glen Ullin 18N
Medora TR Nat M Pk
Melville
Hannaford
Colgate
Kensal WL Ref
Courtenay
Pettibone
Tuttle 7SW
Baldhill Dam
Amenia
Beach
Fryburg
Dickinson Exp Sta
Belfield
Richardton Abbey
Dickinson CAA AP
Golva 1SE
Glen Ullin
New Salem 1S
Bismarck WB
Bismarck WB AP
Mandan Exp Sta
Almont 7SW
Mandan Ft Linc Pk
Lefor 10E
Dawson
Steele
Medina 1W
Jamestown CAA AP
Jamestown St Hosp
Valley City
Fargo WB AP
Montpelier
Alpha 1S
Amidon
New England
Moffit RR Sta
Gackle
Bazelton RR Sta
Grand Rapids 1N
Lisbon
Napoleon 1SE
Verona
McLeod 3E
Wahpeton Pwr Pl
Wahpeton St Sch
Marmarth
Marmarth MDU
Reeder 14N
Mott
Carson
Carson 2SW
Elgin 5S
Flasher
Breien
Shields
Linton
Edgeley Exp Farm
Wishek
Fullerton
Forman
Oakes
Pretty Rock
Bowman CH
Reeder
Baynes 6NE
Wautauga SD 8N
Selfridge 11W
Ft Yates
Ashley
Hankinson RR Sta
Haley
Hettinger
Ellendale
STATION LEGEND
Precipitation only
Precipitation, storage
Precipitation and Temperature
Precipitation, Temperature and Evaporation
Section Center
Type of gage ○ Non-recording:
● Recording: ◑ Both types
Double circle combinations Complete Meteorological.
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